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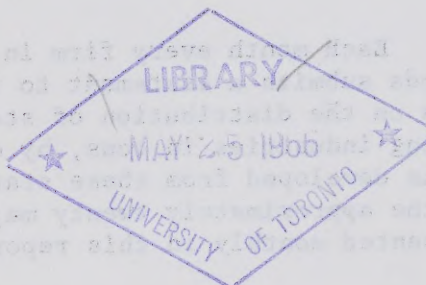


CANADA

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# PRIMARY IRON AND STEEL

JANUARY 1966 - 68



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MONTREAL



DISPOSITION OF SHIPMENTS OF ROLLED STEEL  
PRODUCTS AND STEEL CASTINGS


JANUARY 1968

Each month every firm in the primary steel industry in Canada submits a statement to the Dominion Bureau of Statistics on the distribution of steel shipments to domestic consuming industries in tons, by carbon and alloy grades. Details developed from these statements showing tonnages used by the approximately twenty major consuming industries are presented monthly in this report.

By Authority of the Minister  
of Industry and Commerce



DOMINION BUREAU OF STATISTICS  
INDUSTRY DIVISION



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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,381,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	25	7,883,000	-	-

TABLE 2. Pig Iron Furnace Charges(1)

	January 1966
	net tons of 2,000 pounds
<u>Crude iron ore:</u>	
From Canadian mines .....	59,978
From foreign mines .....	88,057
Pyrite cinder .....	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>	
From Canadian mines .....	420,123
From foreign mines .....	253,635
From own processing .....	157,538
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	21,655
Scrap iron and steel .....	8,157
Limestone .....	57,266
Dolomite .....	50,943
Coke .....	359,611

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, January

	1965	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Pig iron:</u>		
Basic .....	541,845	7,575
Foundry (including silvery pig)(2) .....	38,826	11,155
Malleable .....	21,005	12,703
Total pig iron .....	601,676	31,433
Ferro-alloys .....	15,665	12,786
Stocks of pig iron on hand at end of month ....	223,428	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, January

	1966	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Pig iron:</u>		
Basic .....	594,390	8,262
Foundry (including silvery pig)(2) .....	44,803	8,734
Malleable .....	14,757	13,010
Total pig iron .....	653,950	30,006
Ferro-alloys .....	14,224	11,347
Stocks of pig iron on hand at end of month ....	151,184	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	January	
	1965	1966
	net tons of 2,000 pounds	
Pig iron .....	523,277	571,076
Scrap - Own make .....	244,031	248,630
Purchased .....	200,600	168,882
Total pig iron and scrap .....	967,908	988,588

TABLE 7. Production and Shipments of Steel Ingots and Castings, January

	1965	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Steel ingots (both carbon and alloy) (including continuous cast steel):</u>		
Basic open hearth .....	731,640	-
Electric .....	86,833	10,366
Oxygen .....	(2)	(2)
Total steel ingots .....	818,473	10,366
Continuous cast steel included in above .....	17,933	542
Alloy steel ingots included in above .....	56,913	1,398
<u>Steel castings (both carbon and alloy):</u>		
Basic open hearth .....	(3)	(3)
Electric .....	12,697	12,914
Other .....	(3)	(3)
Total steel castings .....	12,697	12,914
<u>Alloy steel castings included in above:</u>		
High alloy, except manganese and abrasion resistant .....	487	395
High alloy, manganese and abrasion resistant	2,008	2,057
All other alloys .....	970	1,006
Total alloy castings .....	3,465	3,458

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with Electric.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings, January

	1966	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Steel ingots (both carbon and alloy) (including continuous cast steel):</u>		
Basic open hearth .....	766,704	214
Electric .....	90,326	9,416
Oxygen .....	(2)	(2)
Total steel ingots .....	857,030	9,630
Continuous cast steel included in above .....	30,278	(3)
Alloy steel ingots included in above .....	71,969	1,710
<u>Steel castings (both carbon and alloy):</u>		
Basic open hearth .....	-	-
Electric .....	15,755	13,363
Other .....	-	-
Total steel castings .....	15,755	13,363
<u>Alloy steel castings included in above:</u>		
High alloy, except manganese and abrasion resistant .....	481	393
High alloy, manganese and abrasion resistant ..	2,777	2,738
All other alloys .....	1,127	1,056
Total alloy castings .....	4,385	4,187

(1) Includes amounts for sale and for own use. (3) Confidential.

(2) Included with "Basic open hearth".

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	January 1966	
	Carbon	Alloy
	net tons of 2,000 pounds	
Export .....	396	568
Automotive and aircraft industries .....	567	29
Agricultural (including implement and equipment manufacturers) .....	119	16
Construction (including public works, public utilities and structural steel fabricators) ...	57	159
Machinery and tools .....	1,741	778
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,209	1,478
Railway operating .....	2,807	833
Railroad cars and locomotives .....	2,029	42
Shipbuilding .....	48	11
Miscellaneous and unclassified .....	203	273
Total .....	9,176	4,187

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....					
March .....					
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings, January

	1965	
	Made	Shipped
	net tons of 2,000 pounds	
<u>Pipe and tubing, welded and seamless:</u>		
4 1/2" outside diameter and under (excluding tubing and casing) .....	19,414	16,856
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(2)	(2)
Mechanical and pressure tubing, casing and oil well tubing .....	(2)	(2)
Totals .....	52,128	46,378
<u>Steel pipe fittings:</u>		
Buttwelding fittings .....	135	121
Nipples .....	(1)	(1)
Other, including flanges and flanged fittings .....	484	551
Totals .....	619	672

(1) Included with "other".

(2) 1965 figures not available on comparable basis due to change in 1966 item definition.

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings, January

	1966	
	Made	Shipped
	net tons of 2,000 pounds	
<u>Pipe and tubing, welded and seamless:</u>		
4 1/2" outside diameter and under (excluding tubing and casing) .....	17,101	18,738
Over 4 1/2" outside diameter (excluding tubing and casing) .....	35,205	37,100
Mechanical and pressure tubing, casing and oil well tubing .....	22,181	18,565
Totals .....	74,487	74,403
<u>Steel pipe fittings:</u>		
Buttwelding fittings .....	152	143
Nipples .....	(1)	(1)
Other, including flanges and flanged fittings .....	559	600
Totals .....	711	743

(1) Included with "other".



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, January 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	24,609	42,974	26,528	16,446
For forging and piercing .....	15,740	19,637	-	19,637
Rails .....	25,569	22,940	-	22,940
Wire rods .....	38,646	34,956	-	34,956
Structural shapes:				
Heavy, including piling .....	40,148	40,964	-	40,964
Bar-sized shapes .....	7,760	9,551	-	9,551
Concrete reinforcing bars .....	44,340	32,149	-	32,149
Other hot rolled bars:				
Flats .....	7,919	7,298	)	7,298
Other .....	40,923	36,399	) 4,558	31,841
Tie plates and track material:				
Angle bars .....	361	169	-	169
Tie plates .....	1,088	631	-	631
Track spikes .....	608	1,005	-	1,005
Plates (including plates for pipes and tubes) .....	80,848	69,496	-	69,496
Hot rolled sheets .....	185,501	183,009	101,931	81,078
Hot rolled strip .....	94,978	93,111	70,210	22,901
Total hot rolled products ...	609,038	594,289	203,227	391,062
<u>Cold rolled and coated:</u>				
Cold finished bars .....	6,185	6,262	-	6,262
Cold reduced sheets and strip, tin mill black plate and tin plate .....	198,530	215,001	90,210	124,791
Galvanized sheets .....	48,743	42,738	-	42,738
Total cold rolled and coated ..	253,458	264,001	90,210	173,791
Total carbon steel .....	862,496	858,290	293,437	564,853
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	1,299	1,299	1,299	-
For forging and piercing .....	9,744	9,744	-	9,744
Alloy plates .....	618	3,090	-	3,090
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	16,827	13,972	119	13,853
Cold finished bars .....	261	279	-	279
Wire rods .....	628	391	-	391
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,052	3,898	-	3,898
Total alloy steel .....	33,429	32,673	1,418	31,255

TABLE 14. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.	January 1966	
	Carbon	Alloy
	net tons of 2,000 pounds	
4 Wholesalers and warehouses .....	73,320	1,573
6 Automotive and aircraft industries .....	52,713	8,424
7 Agricultural .....	21,503	251
8a Contractors - Building .....	33,880	1
b Construction - Public and Utility .....	4,207	1
c Structural steel fabricators .....	67,044	541
9 Containers .....	42,774	134
10 Machinery and tools .....	22,045	2,159
11 Wire, wire products and fasteners .....	43,574	1,087
12 Natural resources and extractive industries .....	9,030	2,636
13 Appliances and utensils .....	16,820	301
14 Other metal stamping and pressing .....	26,205	332
16 Railway operating .....	24,761	4
17 Railroad cars and locomotives .....	9,806	525
18 Shipbuilding .....	9,409	1,722
19 Pipes and tubes .....	60,420	7,222
20 Miscellaneous .....	3,425	53
Total domestic shipments .....	520,936	26,966
5 Export:		
United States .....	19,601	2,723
Other countries .....	24,316	1,566
Total export .....	43,917	4,289
Total net shipments .....	564,853	31,255

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, January 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar-sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	23	143	410	8,361	2,427	3,503	6,767
6	Automotive and aircraft industries .....	4,059	-	4	180	257	-	13,104
7	Agriculture .....	-	-	-	439	1,296	-	6,732
8a	Contractors - Building .....	-	50	20	537	175	7,270	393
b	Construction - Public and utility .....	-	-	-	184	-	3,087	28
c	Structural steel fabri- cators .....	73	191	4	25,113	3,720	12,077	2,144
9	Containers .....	-	-	19	-	-	-	4
10	Machinery and tools .....	408	139	190	1,524	357	90	2,564
11	Wire, wire products and fasteners .....	932	-	33,427	33	213	91	7,376
12	Natural resources and extractive industries ...	374	316	9	315	124	267	7,374
13	Appliances and utensils ...	-	-	11	87	54	-	122
14	Other metal stamping and pressing .....	250	96	412	156	539	5,251	1,815
16	Railway operating .....	-	21,594	23	143	80	-	306
17	Railroad cars and loco- motives .....	2,093	-	-	1,912	49	-	803
18	Shipbuilding .....	-	5	-	1,265	33	-	176
19	Pipes and tubes .....	19,482	-	389	-	-	-	10
20	Miscellaneous .....	-	-	189	34	227	366	396
Total domestic shipments		27,694	22,534	35,107	40,283	9,551	32,002	50,114
5 Export:								
United States .....		1,687	406	240	681	-	-	2,083
Other countries .....		16,446	-	-	-	-	147	795
Total export .....		18,133	406	240	681	-	147	2,878
Total net shipments		45,827	22,940	35,347	40,964	9,551	32,149	52,992

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, January 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
74	11,302	14,186	826	1,882	13,535	11,454	74,893	4
-	418	20,884	3,241	2,105	14,820	2,065	61,137	6
-	1,744	7,309	135	1,203	2,509	387	21,754	7
10	264	3,331	51	-	3,362	18,418	33,881	8a
-	90	591	-	-	228	-	4,208	b
91	15,714	4,219	967	34	1,252	1,986	67,585	c
-	-	457	178	-	41,702	548	42,908	9
-	5,657	4,801	577	582	6,784	531	24,204	10
5	100	1,204	95	300	750	135	44,661	11
31	1,753	287	-	10	710	96	11,666	12
-	455	2,503	113	149	12,121	1,506	17,121	13
2	1,121	4,499	301	248	10,223	1,624	26,537	14
1,425	886	203	-	-	13	92	24,765	16
-	4,174	773	-	8	233	286	10,331	17
-	9,006	616	-	-	30	-	11,131	18
-	16,287	10,356	16,417	-	4,368	333	67,642	19
-	1,524	180	-	19	543	-	3,478	20
1,638	70,495	76,399	22,901	6,540	113,183	39,461	547,902	
-	1,585	4,619	-	-	8,751	2,272	22,324	5
167	506	60	-	1	6,755	1,005	25,882	
167	2,091	4,679	-	1	15,506	3,277	48,206	
1,805	72,586	81,078	22,901	6,541	128,689	42,738	596,108	

TABLE 16. Steel Capacity as of January 1, 1966

Firm and province	Ingots			Castings		
	Oxygen	Open hearth	Electric	Open hearth	Electric	Total capacity
	tons of 2,000 pounds					
<u>Nova Scotia:</u>						
Dosco Steel Limited .....	-	1,070,000	30,000	-	-	1,100,000
Enamel and Heating Products Ltd. ....	-	-	12,000	-	-	12,000
Maritime Steel Foundries Ltd. ....	-	-	-	-	3,000	3,000
Total Nova Scotia .....	-	1,070,000	42,000	-	3,000	1,115,000
<u>Quebec:</u>						
Atlas Steels Co., Division of Rio Algom Mines Limited .....	-	-	70,000	-	-	70,000
Canadian Steel Foundries Division .... of Hawker Siddeley Canada Ltd. ....	-	-	-	61,500	82,000	143,500
Canadian Steel Wheel Ltd. ....	-	-	145,800	-	-	145,800
Canadian Unitcast-Steel Limited .....	-	-	-	-	3,600	3,600
Crucible Steel of Canada Limited ....	-	-	40,000	-	-	40,000
Abex Industries of Canada Ltd. (Amsco Joliette Division) .....	-	-	-	-	32,700	32,700
Dominion Engineering Works Limited ...	-	-	-	-	15,000	15,000
Dosco Steel Limited .....	-	-	120,000	-	-	120,000
Griffin Steel Foundries Ltd. ....	-	-	-	-	52,500	52,500
Lynn MacLeod Metallurgy Ltd. ....	-	-	-	-	6,000	6,000
Manganese Steel Castings Ltd. ....	-	-	-	-	1,800	1,800
Sorel Steel Foundries Limited .....	-	-	-	-	24,000	24,000
Total Quebec .....	-	-	375,800	61,500	217,600	654,900
<u>Ontario:</u>						
Algoma Steel Corp. Ltd., The .....	1,450,000	1,150,000	-	-	-	2,600,000
Atlas Steels Co., Division of Rio Algom Mines Limited .....	-	-	200,000	-	-	200,000
Black-Clawson-Kennedy Ltd. ....	-	-	-	-	14,000	14,000
Burlington Steel Co. Division of Slater Steel Industries Ltd. ....	-	-	128,000	-	-	128,000
Canada Electric Castings Co. Ltd. ....	-	-	-	-	5,000	5,000
Dominion Foundries & Steel Ltd. ....	2,100,000	-	50,850	-	-	2,150,850
Fahralloy Canada Ltd. ....	-	-	-	-	16,000	16,000
Ford Motor Co. of Canada Ltd. ....	-	-	-	-	63,000	63,000
Indiana Steel Products Co. of Canada Ltd., The .....	-	-	-	-	4,000	4,000
Lake Ontario Steel Co. Ltd. ....	-	-	200,000	-	-	200,000
Neelon Steel Ltd. ....	-	-	-	-	18,000	18,000
Steel Co. of Canada Ltd., The .....	-	4,000,000	-	-	-	4,000,000
Welmet Industries Limited .....	-	-	-	-	10,500	10,500
Total Ontario .....	3,550,000	5,150,000	578,850	-	130,500	9,409,350



TABLE 16. Steel Capacity as of January 1, 1966 - Concluded

Firm and province	Ingots			Castings		
	Oxygen	Open hearth	Electric	Open hearth	Electric	Total capacity
	tons of 2,000 pounds					
<u>Manitoba:</u>						
Dominion Brake Shoe Co. Ltd. ....	-	-	-	-	7,000	7,000
Griffin Steel Foundries Ltd. ....	-	-	-	-	70,000	70,000
Manitoba Rolling Mill Co., Ltd. ....	-	50,000	58,000	-	-	108,000
Total Manitoba .....	-	50,000	58,000	-	77,000	185,000
<u>Saskatchewan:</u>						
Interprovincial Steel and Pipe Cor- poration Limited .....	-	-	150,000	-	-	150,000
Total Saskatchewan .....	-	-	150,000	-	-	150,000
<u>Alberta:</u>						
Foothills Steel Foundry, Division of Irving Industries Ltd. ....	-	-	-	-	5,800	5,800
National Castings Limited .....	-	-	-	-	16,500	16,500
Quality Steel Foundries Ltd. ....	-	-	-	-	3,000	3,000
Steel Co. of Canada Ltd., The .....	-	-	110,000	-	-	110,000
Western Rolling Mills Ltd. ....	-	-	30,000	-	-	30,000
Total Alberta .....	-	-	140,000	-	25,300	165,300
<u>British Columbia:</u>						
A-1 Steel and Iron Foundry Ltd. ....	-	-	-	-	4,820	4,820
C.A.E. Sumner Limited .....	-	-	-	-	2,000	2,000
Consolidated Mining and Smelting Company of Canada Ltd., The .....	-	-	-	-	3,600	3,600
Esco Limited .....	-	-	-	-	4,600	4,600
Horton Steel .....	-	-	-	-	2,200	2,200
Reliance Foundry Co. Ltd. ....	-	-	-	-	8,000	8,000
Western Canada Steel Ltd., Vancouver Steel Division .....	-	-	90,000	-	-	90,000
Victoria Machinery Depot Co. Ltd. ..	-	-	-	-	3,000	3,000
Total British Columbia .....	-	-	90,000	-	28,220	118,220
Total Canada .....	3,550,000	6,270,000	1,434,650	61,500	481,620	11,797,770

TABLE 17. Pig Iron Capacity, January 1, 1966

Firm	In blast or in use			Banked, blown out or idle		
	Furnaces		Annual capacity	Furnaces		Annual capacity
	Blast	Electric		Blast	Electric	
	number		net tons	number		net tons
Algoma Steel Corp. Ltd., The .....	5	-	2,365,000	-	-	-
Canadian Furnace Division of The Algoma Steel Corp. Ltd. ....	1	-	240,000	-	-	-
Consolidated Mining and Smelting Co. of Canada Limited, The .....	-	2	110,000	-	-	-
Dominion Foundries and Steel Limited ...	3	-	1,550,000	-	-	-
Dosco Steel Limited (Sydney) .....	2	-	876,000	-	-	-
Quebec Iron and Titanium Corporation ...	-	8	392,000	-	-	-
Steel Company of Canada Ltd., The .....	4	-	2,350,000	-	-	-
Totals .....	15	10	7,883,000	-	-	-

TABLE 18. Coke Oven Capacity, January 1, 1966

Firm	In use	
	Ovens	Annual capacity
	number	net tons (of coke)
Algoma Steel Corp. Ltd., The .....	249	1,458,000
Crows Nest Industries Ltd. ....	52	170,000
Dominion Foundries and Steel Limited .....	105	607,750
Dosco Steel Limited (Sydney) .....	114	612,000
Quebec Natural Gas Corp. ....	74	384,000
Steel Company of Canada Ltd., The .....	191	1,275,000
Totals .....	785	4,506,750

TABLE 19. Sinter Plant Capacity(1) January 1, 1966

Firm	Sintering	Annual capacity
	units or strands number	net tons
Algoma Steel Corporation Ltd., The .....	1	725,000
The Consolidated Mining and Smelting Co. of Canada Ltd. ....	1	300,000
Dosco Steel Limited (Sydney) .....	1	250,000
Steel Co. of Canada Ltd., The .....	1	900,000
Totals .....	4	2,175,000

(1) At Manufacturing plant only.

**Note:** Annual capacity is the production which the given piece of equipment will turn out in a year, working at normal efficiency, 24 hours a day, and irrespective altogether of materials and labour supplies or the markets, although allowing for shut-downs as may be necessary for repairs and overhauling or rebuilding.

Name	Plant location
<u>Pig Iron</u>	
Algoma Steel Corporation Ltd., The .....	Sault Ste. Marie, Ont.
Canadian Furnace Division of The Algoma Steel Corp. Ltd. ....	Port Colborne, Ont.
Consolidated Mining & Smelting Co. of Canada Ltd., The .....	Kimberley, B.C.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited .....	Sydney, N.S.
Quebec Iron & Titanium Corporation .....	Sorel, Que.
Steel Co. of Canada Ltd., The .....	Hamilton, Ont.
<u>Steel Ingots and Steel Castings</u>	
A-1 Steel and Iron Foundry Ltd. ....	Vancouver, B.C.
Abex Industries of Canada Ltd., Amsco Joliette Division .....	Joliette, Que.
Algoma Steel Corporation Ltd., The .....	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Tracy, Que.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Welland, Ont.
Black-Clawson-Kennedy Ltd. ....	Owen Sound, Ont.
Burlington Steel Co., Division of Slater Steel Industries Ltd. ....	Hamilton, Ont.
Canada Electric Castings Co. Ltd. ....	Guelph, Ont.
Canadian Steel Foundries (Division of Hawker Siddeley Canada Ltd.) .....	Montreal, Que.
Canadian Steel Wheel Ltd. ....	Hochelaga, Montreal, Que.
C.A.E. Sumner Ltd. ....	Vancouver, B.C.
Canadian Unitcast-Steel Ltd. ....	Sherbrooke, Que.
Consolidated Mining & Smelting Co. of Canada Ltd., The (Tadanac) .....	Trail, B.C.
Crucible Steel of Canada Ltd. ....	Sorel, Que.
Dominion Brake Shoe Co. Ltd. (Manitoba Steel Foundry Div.) .....	Selkirk, Man.
Dominion Engineering Works Ltd. ....	Montreal, Que.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited .....	Sydney, N.S.
Dosco Steel Limited .....	Montreal, Que.
Enamel & Heating Products Ltd. ....	Amherst, N.S.
Esco Limited .....	Port Coquitlam, B.C.
Fahrallloy Canada Ltd. ....	Orillia, Ont.
Foothills Steel Foundry, Division of Irving Industries Ltd. ....	Calgary, Alta.
Griffin Steel Foundries Ltd. ....	St. Hyacinthe, Que.
Griffin Steel Foundries Ltd. ....	Transcona, Man.
Indiana Steel Products Co. of Canada Ltd. The .....	Kitchener, Ont.
Interprovincial Steel & Pipe Corporation Ltd. ....	Regina, Sask.
Lake Ontario Steel Co. Ltd. ....	Whitby, Ont.
Lynn MacLeod Metallurgy Ltd. ....	Thetford Mines, Que.
Manganese Steel Castings Ltd. ....	Sherbrooke, Que.
Manitoba Rolling Mill Co. Ltd. ....	Winnipeg, Man.
Maritime Steel Foundries Ltd. ....	New Glasgow, N.S.
National Castings Ltd. ....	Fort MacLeod, Alta.
Neelon Steel Ltd. ....	Sudbury, Ont.
Quality Steel Foundries Ltd. ....	Edmonton, Alta.
Reliance Foundry Co. Ltd. ....	Vancouver, B.C.
Sorel Steel Foundries Ltd. ....	Sorel, Que.
Steel Co. of Canada Ltd., The .....	Hamilton, Ont.
Steel Co. of Canada Ltd., The .....	Edmonton, Alta.
Victoria Machinery Depot Co. Ltd. ....	Victoria, B.C.
Welmet Industries Ltd. ....	Welland, Ont.
Western Rolling Mills Ltd. ....	Calgary, Alta.
Western Canada Steel .....	Vancouver, B.C.



List of Reporting Firms - Concluded

Name	Plant location
<u>Ferro Alloys</u>	
Canadian Carborundum Co. Ltd. ....	Niagara Falls, Ont.
Chromium Mining & Smelting Corp. Ltd. ....	Beauharnois, Que.
Exolon Company, The ....	Thorold, Ont.
Lionite Abrasive Ltd. ....	Niagara Falls, Ont.
Norton Company ....	Chippawa, Ont.
Simonds Canada Abrasives Co. ....	Arvida, Que.
Union Carbide Canada Ltd. (Metals & Carbon Div.) ....	Beauharnois, Que.
Union Carbide Canada Ltd. (Metals & Carbon Div.) ....	Welland, Ont.
<u>Steel Pipes, Tubes and Fittings</u>	
Alberta Phoenix Tube & Pipe Ltd. ....	Calgary, Alta.
Alberta Phoenix Tube & Pipe Ltd. ....	Edmonton, Alta.
Barton Tubes Limited ....	Burlington, Ont.
Bundy Tubing Co. of Canada Ltd. ....	Bramalea, Ont.
Camrose Tubes Ltd. ....	Welland, Ont.
Canadian Acme Screw & Gear Co. ....	Toronto, Ont.
Canadian Coupling & Fitting Ltd. ....	Simcoe, Ont.
Canadian Western Pipe Mills Ltd. ....	Port Moody, B.C.
Crane Canada Ltd. ....	Montreal, Que.
Dosco Steel Limited ....	Montreal, Que.
Interprovincial Steel & Pipe Corp. Ltd. (Prairie Pipe Div.) ....	Regina, Sask.
Ladish Co. of Canada Ltd. ....	Brantford, Ont.
Mannesmann Tube Co. Ltd. ....	Sault Ste. Marie, Ont.
Page-Hersey Tubes Ltd. ....	Hamilton, Ont.
Page-Hersey Tubes Western Ltd. ....	Camrose, Alta.
Sasco Tubes Ltd. ....	Toronto, Ont.
Sonco Steel Products Ltd. ....	Brampton, Ont.
Standard Tube & T.I. Ltd. ....	Montreal, Que.
Standard Tube & T.I. Ltd. ....	Woodstock, Ont.
Standard Tube & T.I. Ltd. ....	Winnipeg, Man.
Steel Co. of Canada Ltd. The ....	Hamilton, Ont.
Tubular Steel Products Ltd. ....	Toronto, Ont.
Tube Turns of Canada Ltd. ....	Ridgetown, Ont.
Welland Tubes Ltd. ....	Welland, Ont.
<u>Rolled Steel Products</u>	
Algoma Steel Corp. Ltd. The ....	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Welland, Ont.
Burlington Steel Co. Division of Slater Steel Industries Ltd. ....	Hamilton, Ont.
Canadian Drawn Steel Co. Ltd., The ....	Hamilton, Ont.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited ....	Sydney, N.S.
Dosco Steel Limited ....	Montreal, Que.
Dosco Steel Limited ....	Contrecoeur, Que.
Dosco Steel Limited ....	Etobicoke, Ont.
Enamel & Heating Products Ltd. ....	Amherst, N.S.
Interprovincial Steel & Pipe Corp. Ltd. (Steel Division) ....	Regina, Sask.
Lake Ontario Steel Co. Ltd. ....	Whitby, Ont.
Manitoba Rolling Mill Co. Ltd. ....	Winnipeg, Man.
Stanley Steel Co. Ltd. ....	Hamilton, Ont.
Steel Co. of Canada Ltd., The ....	Hamilton, Ont.
Steel Co. of Canada Ltd., The ....	Edmonton, Alta.
Union Drawn Steel Co. Ltd. ....	Hamilton, Ont.
Vancouver Rolling Mills Ltd. ....	Vancouver, B.C.
Vic Metal Corporation ....	Victoriaville, Que.
Western Rolling Mills Ltd. ....	Calgary, Alta.







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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,381,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	25	7,883,000	-	-

TABLE 2. Pig Iron Furnace Charges(1)

	February 1966	Two months ended February 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	57,716	117,694
From foreign mines .....	83,009	171,066
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	368,308	788,431
From foreign mines .....	218,670	472,305
From own processing .....	142,519	300,057
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	20,922	42,577
Scrap iron and steel .....	8,104	16,261
Limestone .....	50,528	107,794
Dolomite .....	48,326	99,269
Coke .....	321,031	680,642

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).



TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, February

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	460,495	7,571	533,719	5,675
Foundry (including silvery pig)(2) .....	37,730	11,054	46,421	13,491
Malleable .....	15,394	15,949	9,095	13,087
Total pig iron .....	513,619	34,574	589,235	32,253
Ferro-alloys .....	13,812	14,685	15,015	10,942
Stocks of pig iron on hand at end of month ....	241,869		183,421	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Two Months Ended February

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	1,002,340	15,146	1,128,109	13,937
Foundry (including silvery pig)(2) .....	76,556	22,209	91,224	22,225
Malleable .....	36,399	28,652	23,852	26,097
Total pig iron .....	1,115,295	66,007	1,243,185	62,259
Ferro-alloys .....	29,477	27,471	29,239	22,289

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	February		Two months ended February	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	452,504	520,948	975,781	1,092,024
Scrap - Own make .....	220,977	222,308	465,008	470,938
Purchased .....	186,236	162,970	386,836	331,852
Total pig iron and scrap .....	859,717	906,226	1,827,625	1,894,814

TABLE 7. Production and Shipments of Steel Ingots and Castings February

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	641,334	163	700,854	466
Electric .....	86,720	10,067	94,787	9,747
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	728,054	10,230	795,641	10,213
Continuous cast steel included in above .....	19,754	635	36,941	(4)
Alloy steel ingots included in above .....	45,530	1,589	66,233	1,203
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	14,083	13,654	14,709	14,493
Other .....	(3)	(3)	-	-
Total steel castings .....	14,083	13,654	14,709	14,493
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	803	380	383	419
High alloy, manganese and abrasion resistant .....	2,265	2,109	2,747	2,859
All other alloys .....	804	860	1,072	1,139
Total alloy castings .....	3,872	3,349	4,202	4,417

(1) Includes amounts for sale and for own use. (3) Included with electric.  
 (2) Included with "Basic open hearth". (4) Confidential.  
 Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings Two Months Ended February

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	1,372,974	163	1,467,558	680
Electric .....	173,553	20,433	185,113	19,163
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	1,546,527	20,596	1,652,671	19,843
Continuous cast steel included in above .....	37,687	1,177	67,219	(4)
Alloy steel ingots included in above .....	102,443	2,987	138,202	2,913
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	26,780	26,568	30,464	27,856
Other .....	(3)	(3)	(3)	(3)
Total steel castings .....	26,780	26,568	30,464	27,856
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	1,290	775	864	812
High alloy, manganese and abrasion resistant ..	4,273	4,166	5,524	5,597
All other alloys .....	1,774	1,866	2,199	2,195
Total alloy castings .....	7,337	6,807	8,587	8,604

(1) Includes amounts for sale and for own use.

(3) Included with electric.

(2) Included with "Basic open hearth".

(4) Confidential.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	February 1966		Two months ended February 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	341	354	737	922
Automotive and aircraft industries .....	513	23	1,080	52
Agricultural (including implement and equipment manufacturers) .....	119	31	238	47
Construction (including public works, public utilities and structural steel fabricators) ...	118	318	175	477
Machinery and tools .....	1,933	738	3,674	1,516
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,070	1,763	2,279	3,241
Railway operating .....	3,571	703	6,378	1,536
Railroad cars and locomotives .....	2,180	82	4,209	124
Shipbuilding .....	55	2	103	13
Miscellaneous and unclassified .....	176	403	379	676
Total .....	10,076	4,417	19,252	8,604

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
net tons of 2,000 pounds					
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....					
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings February

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	14,687	15,374	14,958	16,143
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(2)	(2)	29,034	27,719
Mechanical and pressure tubing, casing and oil well tubing .....	(2)	(2)	19,583	17,453
Totals .....	54,247	50,335	63,575	61,315
<u>Steel pipe fittings:</u>				
Buttwelding fittings .....	82	110	99	122
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	598	683	480	488
Totals .....	680	793	579	610

(1) Included with "Other".

(2) 1965 figures not available on comparable basis due to change in 1966 item definition.

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings Two Months Ended February

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	34,101	32,230	32,059	34,881
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(2)	(2)	64,239	64,819
Mechanical and pressure tubing, casing and oil well tubing .....	(2)	(2)	41,764	36,018
Totals .....	106,375	96,713	138,062	135,718
<u>Steel pipe fittings:</u>				
Buttwelding fittings .....	217	231	251	265
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,082	1,234	1,039	1,088
Totals .....	1,299	1,465	1,290	1,353

(1) Included with "Other".

(2) 1965 figures not available on comparable basis due to change in 1966 item definition.

TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, February 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	34,130	32,983	32,951	32
For forging and piercing .....	21,747	20,887	-	20,887
Rails .....	16,697	21,124	-	21,124
Wire rods .....	38,440	37,246	-	37,246
Structural shapes:				
Heavy, including piling .....	36,929	36,276	-	36,276
Bar-sized shapes .....	7,660	6,387	-	6,387
Concrete reinforcing bars .....	50,004	44,630	-	44,630
Other hot rolled bars:				
Flats .....	7,794	7,811	) 5,287	7,811
Other .....	43,403	39,920	)	34,633
Tie plates and track material:				
Angle bars .....	805	1,022	-	1,022
Tie plates .....	3,598	3,695	-	3,695
Track spikes .....	771	1,167	-	1,167
Plates (including plates for pipes and tubes) .....	70,950	74,260	-	74,260
Hot rolled sheets .....	165,603	171,771	101,146	70,625
Hot rolled strip .....	112,201	109,237	88,358	20,879
Total hot rolled products ...	610,732	608,416	227,742	380,674
<u>Cold rolled and coated:</u>				
Cold finished bars .....	5,866	5,744	-	5,744
Cold reduced sheets and strip, tin mill black plate and tin plate .....	191,846	199,169	85,722	113,447
Galvanized sheets .....	46,964	42,034	-	42,034
Total cold rolled and coated ..	244,676	246,947	85,722	161,225
Total carbon steel .....	855,408	855,363	313,464	541,899
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	796	796	796	-
For forging and piercing .....	4,234	4,234	-	4,234
Alloy plates .....	2,396	2,847	-	2,847
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	20,963	14,822	297	14,525
Cold finished bars .....	618	595	-	595
Wire rods .....	374	596	-	596
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	3,644	3,439	-	3,439
Total alloy steel .....	33,025	27,329	1,093	26,236



TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Two Months Ended February 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	58,739	75,957	59,479	16,478
For forging and piercing .....	37,487	40,524	-	40,524
Rails .....	42,266	44,064	-	44,064
Wire rods .....	77,086	72,202	-	72,202
Structural shapes:				
Heavy, including piling .....	77,077	77,240	-	77,240
Bar-sized shapes .....	15,420	15,938	-	15,938
Concrete reinforcing bars .....	94,344	76,779	-	76,779
Other hot rolled bars:				
Flats .....	15,713	15,109	) 9,845	15,109
Other .....	84,326	76,319		66,474
Tie plates and track material:				
Angle bars .....	1,166	1,191	-	1,191
Tie plates .....	4,686	4,326	-	4,326
Track spikes .....	1,379	2,172	-	2,172
Plates (including plates for pipes and tubes) .....	151,798	143,756	-	143,756
Hot rolled sheets .....	351,104	354,780	203,077	151,703
Hot rolled strip .....	207,179	202,348	158,568	43,780
Total hot rolled products ...	1,219,770	1,202,705	430,969	771,736
<u>Cold rolled and coated:</u>				
Cold finished bars .....	12,051	12,006	-	12,006
Cold reduced sheets and strip, tin mill black plate and tin plate .....	390,376	414,170	175,932	238,238
Galvanized sheets .....	95,707	84,772	-	84,772
Total cold rolled and coated ..	498,134	510,948	175,932	335,016
Total carbon steel .....	1,717,904	1,713,653	606,901	1,106,752
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	2,095	2,095	2,095	-
For forging and piercing .....	13,978	13,978	-	13,978
Alloy plates .....	3,014	5,937	-	5,937
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	37,790	28,794	416	28,378
Cold finished bars .....	879	874	-	874
Wire rods .....	1,002	987	-	987
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	7,696	7,337	-	7,337
Total alloy steel .....	66,454	60,002	2,511	57,491

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products,

SDI No.	February 1966		Two months ended February 1966	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
4 Wholesalers and warehouses .....	70,811	1,358	144,131	2,931
6 Automotive and aircraft industries ...	45,968	10,611	98,681	19,035
7 Agricultural .....	16,355	433	37,858	684
8a Contractors - Building .....	32,501	3	66,381	4
b Construction - Public and Utility .....	6,773	-	10,980	1
c Structural steel fabricators .....	70,748	1,002	137,792	1,543
9 Containers .....	39,200	-	81,974	134
10 Machinery and tools .....	23,104	2,168	45,149	4,327
11 Wire, wire products and fasteners ...	43,027	1,359	86,601	2,446
12 Natural resources and extractive industries .....	10,931	1,655	19,961	4,291
13 Appliances and utensils .....	14,946	241	31,766	542
14 Other metal stamping and pressing ....	27,980	277	54,185	609
16 Railway operating .....	26,079	6	50,840	10
17 Railroad cars and locomotives .....	10,722	387	20,528	912
18 Shipbuilding .....	7,927	867	17,336	2,589
19 Pipes and tubes .....	61,448	2,298	121,868	9,520
20 Miscellaneous .....	2,457	13	5,882	66
Total domestic shipments .....	510,977	22,678	1,031,913	49,644
5 Export:				
United States .....	21,360	2,616	40,961	5,339
Other countries .....	9,562	942	33,878	2,508
Total export .....	30,922	3,558	74,839	7,847
Total net shipments .....	541,899	26,236	1,106,752	57,491

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, February 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	-	124	798	7,092	1,742	6,234	7,628
6	Automotive and air-craft industries .....	3,061	-	-	89	74	41	15,509
7	Agriculture .....	-	-	3	424	374	-	4,556
8a	Contractors - Building ...	-	-	145	448	189	6,071	561
b	Construction - Public and utility .....	-	-	-	1,788	41	3,328	350
c	Structural steel fabri- cators .....	-	166	254	19,993	2,733	21,953	2,254
9	Containers .....	-	-	5	-	-	-	-
10	Machinery and tools .....	510	23	310	1,101	125	25	3,674
11	Wire, wire products and fasteners .....	865	-	35,074	17	245	18	6,053
12	Natural resources and extractive industries ..	594	540	32	921	50	1,040	7,179
13	Appliances and utensils ..	-	-	2	30	5	-	163
14	Other metal stamping and pressing .....	73	63	121	232	520	5,300	2,924
16	Railway operating .....	-	17,250	8	627	121	-	1,154
17	Railroad cars and loco- motives .....	1,950	-	1	2,109	8	-	1,092
18	Shipbuilding .....	-	-	-	961	29	-	82
19	Pipes and tubes .....	16,720	-	105	-	-	-	69
20	Miscellaneous .....	2	-	135	-	90	358	537
Total domestic shipments		23,775	18,166	36,993	35,832	6,346	44,368	53,785
5 Export:								
	United States .....	1,378	2,953	98	444	41	16	2,766
	Other countries .....	-	5	751	-	-	246	418
	Total export .....	1,378	2,958	849	444	41	262	3,184
Total net shipments		25,153	21,124	37,842	36,276	6,387	44,630	56,969

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, February 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
22	9,721	14,649	922	1,866	11,255	10,116	72,169	4
-	1,026	16,516	2,941	1,493	13,780	2,049	56,579	6
-	1,908	5,976	67	1,085	1,587	808	16,788	7
-	316	3,255	57	15	3,186	18,261	32,504	8a
10	222	837	-	1	196	-	6,773	b
3	16,780	4,344	671	71	932	1,596	71,750	c
-	11	494	318	-	38,040	332	39,200	9
1	7,464	4,854	505	781	5,195	704	25,272	10
8	93	916	157	280	521	139	44,386	11
38	1,258	208	-	12	585	129	12,586	12
-	500	2,124	56	206	10,625	1,476	15,187	13
3	1,495	5,388	111	245	10,133	1,649	28,257	14
5,707	881	216	-	1	15	105	26,085	16
-	4,593	923	-	26	297	110	11,109	17
-	7,371	243	-	11	45	52	8,794	18
-	20,639	6,550	15,066	-	4,124	473	63,746	19
-	907	-	-	21	420	-	2,470	20
5,792	75,185	67,493	20,871	6,114	100,936	37,999	533,655	
5								
92	1,922	2,859	8	225	7,965	3,209	23,976	
-	-	273	-	-	7,985	826	10,504	
92	1,922	3,132	8	225	15,950	4,035	34,480	
5,884	77,107	70,625	20,879	6,339	116,886	42,034	568,135	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Two Months Ended February 1966

February 1966								
SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	23	267	1,208	15,453	4,169	9,737	14,395
6	Automotive and air-craft industries .....	7,120	-	4	269	331	41	28,613
7	Agriculture .....	-	-	3	863	1,670	-	11,288
8a	Contractors - Building ...	-	50	165	985	364	13,341	954
b	Construction - Public and utility .....	-	-	-	1,972	41	6,415	378
c	Structural steel fabri- cators .....	73	357	258	45,106	6,453	34,030	4,398
9	Containers .....	-	-	24	-	-	-	4
10	Machinery and tools .....	918	162	500	2,625	482	115	6,238
11	Wire, wire products and fasteners .....	1,797	-	68,501	50	458	109	13,429
12	Natural resources and extractive industries ..	968	856	41	1,236	174	1,307	14,553
13	Appliances and utensils ..	-	-	13	117	59	-	285
14	Other metal stamping and pressing .....	323	159	533	388	1,059	10,551	4,739
16	Railway operating .....	-	38,844	31	770	201	-	1,460
17	Railroad cars and loco- motives .....	4,043	-	1	4,021	57	-	1,895
18	Shipbuilding .....	-	5	-	2,226	62	-	258
19	Pipes and tubes .....	36,202	-	494	-	-	-	79
20	Miscellaneous .....	2	-	324	34	317	724	933
Total domestic shipments		51,469	40,700	72,100	76,115	15,897	76,370	103,899
5 Export:								
United States .....		3,065	3,359	338	1,125	41	16	4,849
Other countries .....		16,446	5	751	-	-	393	1,213
Total export .....		19,511	3,364	1,089	1,125	41	409	6,062
Total net shipments		70,980	44,064	73,189	77,240	15,938	76,779	109,961

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Two Months Ended February 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black-plate and tin plate(2)	Galvanized sheets	Total	SDI No.
96	21,023	28,835	1,748	3,748	24,790	21,570	147,062	4
-	1,444	37,400	6,182	3,598	28,600	4,114	117,716	6
-	3,652	13,285	202	2,288	4,096	1,195	38,542	7
10	580	6,586	108	15	6,548	36,679	66,385	8a
10	312	1,428	-	1	424	-	10,981	b
94	32,494	8,563	1,638	105	2,184	3,582	139,335	c
-	11	951	496	-	79,742	880	82,108	9
1	13,121	9,655	1,082	1,363	11,979	1,235	49,476	10
13	193	2,120	252	580	1,271	274	89,047	11
69	3,011	495	-	22	1,295	225	24,252	12
-	955	4,627	169	355	22,746	2,982	32,308	13
5	2,616	9,887	412	493	20,356	3,273	54,794	14
7,132	1,767	419	-	1	28	197	50,850	16
-	8,767	1,696	-	34	530	396	21,440	17
-	16,377	859	-	11	75	52	19,925	18
-	36,926	16,906	31,483	-	8,492	806	131,388	19
-	2,431	180	-	40	963	-	5,948	20
7,430	145,680	143,892	43,772	12,654	214,119	77,460	1,081,557	
5								
92	3,507	7,478	8	225	16,716	5,481	46,300	
167	506	333	-	1	14,740	1,831	36,386	
259	4,013	7,811	8	226	31,456	7,312	82,686	
7,689	149,693	151,703	43,780	12,880	245,575	84,772	1,164,243	





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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,381,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	25	7,883,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	March 1966	Three months ended March 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	81,562	199,256
From foreign mines .....	85,090	256,156
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	429,170	1,217,601
From foreign mines .....	211,035	683,340
From own processing .....	148,536	448,593
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	22,789	65,366
Scrap iron and steel .....	9,456	25,717
Limestone .....	51,841	159,635
Dolomite .....	49,893	149,162
Coke .....	354,022	1,034,664

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, March

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	480,646	9,716	559,637	7,774
Foundry (including silvery pig)(2) .....	41,254	31,018	41,475	38,614
Malleable .....	20,839	21,281	45,385	13,114
Total pig iron .....	542,739	62,015	646,497	59,502
Ferro-alloys .....	16,209	15,465	16,148	12,263
Stocks of pig iron on hand at end of month ....	227,064		217,829	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Three Months Ended March

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	1,482,986	24,862	1,687,746	21,711
Foundry (including silvery pig)(2) .....	117,810	53,227	132,699	60,839
Malleable .....	57,238	49,933	69,237	39,211
Total pig iron .....	1,658,034	128,022	1,889,682	121,761
Ferro-alloys .....	45,686	42,936	45,387	34,552

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	March		Three months ended March	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	476,487	549,176	1,452,268	1,641,200
Scrap - Own make .....	282,406	277,018	747,414	747,956
Purchased .....	188,039	190,894	574,875	522,746
Total pig iron and scrap .....	946,932	1,017,088	2,774,557	2,911,902

TABLE 7. Production and Shipments of Steel Ingots and Castings, March

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	724,341	320	767,500	-
Electric .....	97,402	12,551	111,736	10,246
Oxygen .....	(2)	(2)	(2)	-
Total steel ingots .....	821,743	12,871	879,236	10,246
Continuous cast steel included in above .....	25,969	2,579	46,400	(4)
Alloy steel ingots included in above .....	51,129	1,640	78,604	1,128
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(3)	(3)	-	-
Electric .....	15,478	14,688	16,760	16,989
Other .....	(3)	(3)	-	-
Total steel castings .....	15,478	14,688	16,760	16,989
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	395	391	407	393
High alloy, manganese and abrasion resistant .....	2,346	2,443	2,973	2,789
All other alloys .....	994	967	931	929
Total alloy castings .....	3,735	3,801	4,311	4,111

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".

(3) Included with electric. (4) Confidential.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings, Three Months Ended March

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	2,097,315	483	2,235,058	680
Electric .....	270,955	32,984	296,849	29,409
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	2,368,270	33,467	2,531,907	30,089
Continuous cast steel included in above .....	63,656	3,756	113,619	(4)
Alloy steel ingots included in above .....	153,572	4,627	216,806	4,041
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	42,258	41,256	47,224	44,845
Other .....	(3)	(3)	(3)	(3)
Total steel castings .....	42,258	41,256	47,224	44,845
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	1,685	1,166	1,271	1,205
High alloy, manganese and abrasion resistant ..	6,619	6,609	8,497	8,386
All other alloys .....	2,768	2,833	3,130	3,124
Total alloy castings .....	11,072	10,608	12,898	12,715

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".  
(3) Included with electric. (4) Confidential.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	March 1966		Three months ended March 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	737	443	1,474	1,365
Automotive and aircraft industries .....	705	29	1,785	81
Agricultural (including implement and equipment manufacturers) .....	181	29	419	76
Construction (including public works, public utilities and structural steel fabricators) ...	167	347	342	824
Machinery and tools .....	2,272	672	5,946	2,188
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,252	1,537	3,531	4,778
Railway operating .....	4,885	570	11,263	2,106
Railroad cars and locomotives .....	2,278	157	6,487	281
Shipbuilding .....	86	14	189	27
Miscellaneous and unclassified .....	315	313	694	989
Total .....	12,878	4,111	32,130	12,715

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
net tons of 2,000 pounds					
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings, March

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	18,365	22,715	19,361	17,962
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(2)	(2)	16,226	16,521
Mechanical and pressure tubing, casing and oil well tubing .....	(2)	(2)	19,547	15,920
Totals .....	67,932	76,311	55,134	50,403

Steel pipe fittings:

Buttwelding fittings .....	156	236	120	104
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	616	698	550	575
Totals .....	772	934	670	679

(1) Included with other.

(2) 1965 figures not available on comparable basis due to change in 1966 item definition.

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings, Three Months Ended March.

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	52,466	54,945	51,420	52,843
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(2)	(2)	80,465	81,340
Mechanical and pressure tubing, casing and oil well tubing .....	(2)	(2)	61,311	51,938
Totals .....	174,307	173,024	193,196	186,121

Steel pipe fittings:

Buttwelding fittings .....	373	467	371	369
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,698	1,932	1,589	1,663
Totals .....	2,071	2,399	1,960	2,032

(1) Included with other.

(2) 1965 figures not available on comparable basis due to change in 1966 item definition.



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, March 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
	net tons of 2,000 pounds			
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	23,713	27,220	27,220	-
For forging and piercing .....	22,580	22,597	-	22,597
Rails .....	21,893	21,001	-	21,001
Wire rods .....	42,658	42,300	-	42,300
Structural shapes:				
Heavy, including piling .....	47,593	41,071	-	41,071
Bar-sized shapes .....	9,882	7,587	-	7,587
Concrete reinforcing bars .....	56,249	57,148	-	57,148
Other hot rolled bars:				
Flats .....	6,471	8,433	) 3,461	( 8,433
Other .....	38,231	39,091	)	( 35,630
Tie plates and track material:				
Angle bars .....	1,103	941	-	941
Tie plates .....	3,508	3,441	-	3,441
Track spikes .....	976	1,156	-	1,156
Plates (including plates for pipes and tubes) .....	85,309	79,741	-	79,741
Hot rolled sheets .....	183,581	189,397	114,507	74,890
Hot rolled strip .....	121,426	119,837	102,246	17,591
Total hot rolled products ...	665,173	660,961	247,434	413,527
<u>Cold rolled and coated:</u>				
Cold finished bars .....	6,889	6,803	-	6,803
Cold reduced sheets and strip, tin mill black plate and tin plate .....	238,483	229,561	91,796	137,765
Galvanized sheets .....	48,308	52,029	-	52,029
Total cold rolled and coated ..	293,680	288,393	91,796	196,597
Total carbon steel .....	958,853	949,354	339,230	610,124
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	51	51	51	-
For forging and piercing .....	6,832	6,832	-	6,832
Alloy plates .....	2,147	3,376	-	3,376
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	22,086	19,525	125	19,400
Cold finished bars .....	285	259	-	259
Wire rods .....	192	377	-	377
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,107	4,809	-	4,809
Total alloy steel .....	36,700	35,229	176	35,053

TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Three Months Ended March 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	82,452	103,177	86,699	16,478
For forging and piercing .....	60,067	63,121	-	63,121
Rails .....	64,159	65,065	-	65,065
Wire rods .....	119,744	114,502	-	114,502
Structural shapes:				
Heavy, including piling .....	124,670	118,311	-	118,311
Bar-sized shapes .....	25,302	23,525	-	23,525
Concrete reinforcing bars .....	150,593	133,927	-	133,927
Other hot rolled bars:				
Flats .....	22,184	23,542	) 13,306	( 23,542
Other .....	122,557	115,410	)	( 102,104
Tie plates and track material:				
Angle bars .....	2,269	2,132	-	2,132
Tie plates .....	8,194	7,767	-	7,767
Track spikes .....	2,355	3,328	-	3,328
Plates (including plates for pipes and tubes) .....	237,107	223,497	-	223,497
Hot rolled sheets .....	534,685	544,177	317,584	226,593
Hot rolled strip .....	328,605	322,185	260,814	61,371
Total hot rolled products ...	1,884,943	1,863,666	678,403	1,185,263
<u>Cold rolled and coated:</u>				
Cold finished bars .....	18,940	18,809	-	18,809
Cold reduced sheets and strip, tin mill black plate and tin plate .....	628,859	643,731	267,728	376,003
Galvanized sheets .....	144,015	136,801	-	136,801
Total cold rolled and coated ..	791,814	799,341	267,728	531,613
Total carbon steel .....	2,676,757	2,663,007	946,131	1,716,876
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	2,146	2,146	2,146	-
For forging and piercing .....	20,810	20,810	-	20,810
Alloy plates .....	5,161	9,313	-	9,313
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	59,876	48,319	541	47,778
Cold finished bars .....	1,164	1,133	-	1,133
Wire rods .....	1,194	1,364	-	1,364
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	12,803	12,146	-	12,146
Total alloy steel .....	103,154	95,231	2,687	92,544

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, March 1966

SDI No.	March 1966		Three months ended March 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
4 Wholesalers and warehouses .....	74,134	2,386	218,265	5,317
6 Automotive and aircraft industries ...	52,633	15,341	151,314	34,376
7 Agricultural .....	15,541	289	53,399	973
8a Contractors - Building .....	45,670	1	112,051	5
b Construction - Public and Utility .....	5,365	28	16,345	29
c Structural steel fabricators .....	80,378	812	218,170	2,355
9 Containers .....	44,480	182	126,454	316
10 Machinery and tools .....	29,711	2,971	74,860	7,298
11 Wire, wire products and fasteners ...	50,112	1,078	136,713	3,524
12 Natural resources and extractive industries .....	13,566	1,099	33,527	5,390
13 Appliances and utensils .....	19,472	223	51,238	765
14 Other metal stamping and pressing ....	32,659	374	86,844	983
16 Railway operating .....	25,588	-	76,428	10
17 Railroad cars and locomotives .....	13,631	149	34,159	1,061
18 Shipbuilding .....	11,859	1,259	29,195	3,848
19 Pipes and tubes .....	55,914	3,373	177,782	12,893
20 Miscellaneous .....	- 329	45	5,553	111
Total domestic shipments .....	570,384	29,610	1,602,297	79,254
5 Export:				
United States .....	26,192	3,396	67,153	8,735
Other countries .....	13,548	2,047	47,426	4,555
Total Export .....	39,740	5,443	114,579	13,290
Total net shipments .....	610,124	35,053	1,716,876	92,544

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, March 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
				net tons of 2,000 pounds				
4	Wholesalers and ware- houses .....	-	354	633	7,791	1,953	8,239	9,351
6	Automotive and air-craft industries .....	4,175	-	3	254	98	-	18,192
7	Agriculture .....	-	-	17	875	844	-	3,437
8a	Contractors - Building ...	-	53	13	382	103	10,958	419
b	Construction - Public and utility .....	-	533	-	736	-	3,177	68
c	Structural steel fabri- cators .....	126	88	32	23,387	2,905	25,842	4,262
9	Containers .....	-	-	23	-	-	-	6
10	Machinery and tools .....	179	80	591	1,342	377	94	3,512
11	Wire, wire products and fasteners .....	765	-	39,910	5	91	383	7,062
12	Natural resources and extractive industries ..	316	1,077	90	495	159	1,361	7,574
13	Appliances and utensils ..	-	-	-	170	117	-	18
14	Other metal stamping and pressing .....	321	153	132	379	569	5,892	2,929
16	Railway operating .....	14	18,051	-	511	31	-	638
17	Railroad cars and loco- motives .....	3,271	60	1	2,452	97	-	981
18	Shipbuilding .....	-	19	-	1,242	110	-	277
19	Pipes and tubes .....	17,707	-	360	-	2	-	17
20	Miscellaneous .....	-	-	41	38	68	95	233
Total domestic shipments		26,874	20,468	41,846	40,059	7,524	56,041	58,976
5	Export:							
	United States .....	2,555	526	38	1,012	63	1,107	3,027
	Other countries .....	-	7	793	-	-	-	1,460
	Total export .....	2,555	533	831	1,012	63	1,107	4,487
	Total net shipments	29,429	21,001	42,677	41,071	7,587	57,148	63,463

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, March 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
118	12,933	11,389	200	2,037	12,041	9,481	76,520	4
-	819	18,956	3,075	2,262	17,491	2,649	67,974	6
-	1,246	6,196	43	1,102	1,240	830	15,830	7
56	1,545	2,910	86	-	3,105	26,041	45,671	8a
23	299	265	-	-	292	-	5,393	b
- 50	16,391	3,563	1,676	40	1,108	1,820	81,190	c
-	-	71	571	-	43,674	317	44,662	9
-	10,354	6,520	170	908	7,672	883	32,682	10
168	323	1,410	59	198	499	317	51,190	11
343	1,649	340	-	48	588	625	14,665	12
-	1,277	2,886	57	111	13,059	2,000	19,695	13
-	4,030	5,216	510	326	10,578	1,998	33,033	14
4,961	1,142	214	-	-	9	17	25,588	16
-	6,180	454	-	8	258	18	13,780	17
-	10,902	392	16	-	80	80	13,118	18
-	15,039	9,429	11,088	-	5,305	340	59,287	19
-	- 2,217	- 161	-	15	1,604	-	- 284	20
5,619	81,912	70,050	17,551	7,055	118,603	47,416	599,994	
5								
86	1,165	4,527	40	-	11,869	3,573	29,588	
- 167	40	313	-	7	12,102	1,040	15,595	
- 81	1,205	4,840	40	7	23,971	4,613	45,183	
5,538	83,117	74,890	17,591	7,062	142,574	52,029	645,177	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Three Months Ended March 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	23	621	1,841	23,244	6,122	17,976	23,746
6	Automotive and air-craft industries .....	11,295	-	7	523	429	41	46,805
7	Agriculture .....	-	-	20	1,738	2,514	-	14,725
8a	Contractors - Building ...	-	103	178	1,367	467	24,299	1,373
b	Construction - Public and utility .....	-	533	-	2,708	41	9,592	446
c	Structural steel fabri- cators .....	199	445	290	68,493	9,358	59,872	8,660
9	Containers .....	-	-	47	-	-	-	10
10	Machinery and tools .....	1,097	242	1,091	3,967	859	209	9,750
11	Wire, wire products and fasteners .....	2,562	-	108,411	55	549	492	20,491
12	Natural resources and extractive industries ..	1,284	1,933	131	1,731	333	2,668	22,127
13	Appliances and utensils ..	-	-	13	287	176	-	303
14	Other metal stamping and pressing .....	644	312	665	767	1,628	16,443	7,668
16	Railway operating .....	14	56,895	31	1,281	232	-	2,098
17	Railroad cars and loco- motives .....	7,314	60	2	6,473	154	-	2,876
18	Shipbuilding .....	-	24	-	3,468	172	-	535
19	Pipes and tubes .....	53,909	-	854	-	2	-	96
20	Miscellaneous .....	2	-	365	72	385	819	1,166
Total domestic shipments		78,343	61,168	113,946	116,174	23,421	132,411	162,875
5 Export:								
United States .....		5,620	3,885	376	2,137	104	1,123	7,876
Other countries .....		16,446	12	1,544	-	-	393	2,673
Total export .....		22,066	3,897	1,920	2,137	104	1,516	10,549
Total net shipments		100,409	65,065	115,866	118,311	23,525	133,927	173,424

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Three Months Ended March 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
214	33,956	40,224	1,948	5,785	36,831	31,051	223,582	4
-	2,263	56,356	9,257	5,860	46,091	6,763	185,690	6
-	4,898	19,481	245	3,390	5,336	2,025	54,372	7
66	2,125	9,496	194	15	9,653	62,720	112,056	8a
33	611	1,693	-	1	716	-	16,374	b
44	48,885	12,126	3,314	145	3,292	5,402	220,525	c
-	11	1,022	1,067	-	123,416	1,197	126,770	9
1	23,475	16,175	1,252	2,271	19,651	2,118	82,158	10
181	516	3,530	311	778	1,770	591	140,237	11
412	4,660	835	-	70	1,883	850	38,917	12
-	2,232	7,513	226	466	35,805	4,982	52,003	13
5	6,646	15,103	922	819	30,934	5,271	87,827	14
12,093	2,909	633	-	1	37	214	76,438	16
-	14,947	2,150	-	42	788	414	35,220	17
-	27,279	1,251	16	11	155	132	33,043	18
-	51,965	26,335	42,571	-	13,797	1,146	190,675	19
-	214	19	-	55	2,567	-	5,664	20
13,049	227,592	213,942	61,323	19,709	332,722	124,876	1,681,551	
5								
178	4,672	12,005	48	225	28,585	9,054	75,888	
-	546	646	-	8	26,842	2,871	51,981	
178	5,218	12,651	48	233	55,427	11,925	127,869	
13,227	232,810	226,593	61,371	19,942	388,149	136,801	1,809,420	





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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14 <sup>r</sup>	7,141,000 <sup>r</sup>	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24 <sup>r</sup>	7,643,000 <sup>r</sup>	-	-

<sup>r</sup> Revised figures.

TABLE 2. Iron Blast Furnaces Charges(1)

	April 1966	Four months ended April 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	53,747	253,003
From foreign mines .....	84,793	340,949
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	362,084	1,579,685
From foreign mines .....	252,962	936,302
From own processing .....	146,615	595,208
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	22,185	87,551
Scrap iron and steel .....	10,013	35,730
Limestone .....	50,299	209,934
Dolomite .....	48,526	197,688
Coke .....	334,312	1,368,976

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, April

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	474,404	9,038	544,688	7,633
Foundry (including silvery pig)(2) .....	43,300	52,801	34,891	73,683
Malleable .....	18,973	27,136	20,224	12,076
Total pig iron .....	536,677	88,975	599,803	93,392
Ferro-alloys .....	15,903	15,452	14,928	15,237
Stocks of pig iron on hand at end of month ....	210,653		193,942	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Four Months Ended April

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	1,957,390	33,900	2,232,434	29,344
Foundry (including silvery pig)(2) .....	161,110	106,028	167,590	134,522
Malleable .....	76,211	77,069	89,461	51,287
Total pig iron .....	2,194,711	216,997	2,489,485	215,153
Ferro-alloys .....	61,589	58,388	60,315	49,789

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	April		Four months ended April	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	446,460	527,639	1,898,728	2,168,839
Scrap - Own make .....	249,627	277,158	997,041	1,025,114
Purchased .....	189,587	166,831	764,462	689,577
Total pig iron and scrap .....	885,674	971,628	3,660,231	3,883,530

TABLE 7. Production and Shipments of Steel Ingots and Castings, April

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	681,871	236	749,470	12,316
Electric .....	102,932	11,593	95,725	18,746
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	784,803	11,829	845,195	31,062
Continuous cast steel included in above .....	24,959	99	37,426	(4)
Alloy steel ingots included in above .....	52,997	1,794	71,145	922
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	14,844	13,594	15,723	14,224
Other .....	(3)	(3)	(3)	(3)
Total steel castings .....	14,844	13,594	15,723	14,224
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	324	267	541	492
High alloy, manganese and abrasion resistant .....	2,542	2,430	2,558	2,461
All other alloys .....	1,019	916	1,050	1,067
Total alloy castings .....	3,885	3,613	4,149	4,020

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with electric. (4) Confidential.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings, Four Months Ended April

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	2,779,186	719	2,984,528	12,996
Electric .....	373,887	44,577	392,574	48,155
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	3,153,073	45,296	3,377,102	61,151
Continuous cast steel included in above .....	88,615	3,855	151,045	(4)
Alloy steel ingots included in above .....	206,569	6,421	287,951	4,963
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	57,102	54,850	62,947	59,069
Other .....	(3)	(3)	(3)	(3)
Total steel castings .....	57,102	54,850	62,947	59,069
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	2,009	1,433	1,812	1,697
High alloy, manganese and abrasion resistant ..	9,161	9,039	11,055	10,847
All other alloys .....	3,787	3,749	4,180	4,191
Total alloy castings .....	14,957	14,221	17,047	16,735

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with electric. (4) Confidential.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	April 1966		Four months ended April 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	882	539	2,356	1,904
Automotive and aircraft industries .....	542	21	2,327	102
Agricultural (including implement and equipment manufacturers) .....	143	22	562	98
Construction (including public works, public utilities and structural steel fabricators) ...	75	355	417	1,179
Machinery and tools .....	1,851	655	7,797	2,843
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	797	1,456	4,328	6,234
Railway operating .....	4,042	489	15,305	2,595
Railroad cars and locomotives .....	1,559	110	8,046	391
Shipbuilding .....	77	35	266	62
Miscellaneous and unclassified .....	236	338	930	1,327
Total .....	10,204	4,020	42,334	16,735

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
	net tons of 2,000 pounds				
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings, April

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	22,982	20,234	19,927	18,728
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(2)	(2)	36,563	29,086
Mechanical and pressure tubing, casing and oil well tubing .....	(2)	(2)	13,011	10,116
Totals .....	72,393	66,944	69,501	57,930

Steel pipe fittings:

Buttwelding fittings .....	137	186	139	125
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	611	621	543	652
Totals .....	748	807	682	777

(1) Included with other.

(2) 1965 figures not available on comparable basis due to change in 1966 item definition.

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings, Four Months Ended April

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	75,448	75,179	71,347	71,571
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(2)	(2)	117,028	110,426
Mechanical and pressure tubing, casing and oil well tubing .....	(2)	(2)	74,322	62,054
Totals .....	246,700	239,968	262,697	244,051

Steel pipe fittings:

Buttwelding fittings .....	510	653	510	494
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	2,309	2,553	2,132	2,315
Totals .....	2,819	3,206	2,642	2,809

(1) Included with other.

(2) 1965 figures not available on comparable basis due to change in 1966 item definition.



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, April 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	27,275	30,258	23,330	6,928
For forging and piercing .....	18,487	18,789	-	18,789
Rails .....	23,974	21,448	-	21,448
Wire rods .....	32,694	36,130	-	36,130
Structural shapes:				
Heavy, including piling .....	33,275	34,686	-	34,686
Bar-sized shapes .....	7,773	8,062	-	8,062
Concrete reinforcing bars .....	54,967	61,189	-	61,189
Other hot rolled bars:				
Flats .....	6,918	7,473	)	( 7,473
Other .....	41,648	37,284	) 4,966	( 32,318
Tie plates and track material:				
Angle bars .....	1,681	1,782	-	1,782
Tie plates .....	5,394	5,369	-	5,369
Track spikes .....	525	738	-	738
Plates (including plates for pipes and tubes) .....	83,007	83,370	-	83,370
Hot rolled sheets .....	185,371	182,810	109,783	73,027
Hot rolled strip .....	135,749	134,030	105,682	28,348
Total hot rolled products ...	658,738	663,418	243,761	419,657
<u>Cold rolled and coated:</u>				
Cold finished bars .....	5,403	5,532	-	5,532
Cold reduced sheets and strip, tin mill black plate and tin plate .....	220,842	213,026	88,155	124,871
Galvanized sheets .....	46,735	45,221	-	45,221
Total cold rolled and coated ..	272,980	263,779	88,155	175,624
Total carbon steel .....	931,718	927,197	331,916	595,281
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	291	291	291	-
For forging and piercing .....	5,025	5,025	-	5,025
Alloy plates .....	2,754	2,992	-	2,992
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	18,504	21,584	225	21,359
Cold finished bars .....	536	501	-	501
Wire rods .....	237	251	-	251
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,024	4,677	-	4,677
Total alloy steel .....	32,371	35,321	516	34,805

TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Four Months Ended April 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	109,727	133,435	110,029	23,406
For forging and piercing .....	78,554	81,910	-	81,910
Rails .....	88,133	86,513	-	86,513
Wire rods .....	152,438	150,632	-	150,632
Structural shapes:				
Heavy, including piling .....	157,945	152,997	-	152,997
Bar-sized shapes .....	33,075	31,587	-	31,587
Concrete reinforcing bars .....	205,560	195,116	-	195,116
Other hot rolled bars:				
Flats .....	29,102	31,015	) 18,272	( 31,015
Other .....	164,205	152,694	)	( 134,422
Tie plates and track material:				
Angle bars .....	3,950	3,914	-	3,914
Tie plates .....	13,588	13,136	-	13,136
Track spikes .....	2,880	4,066	-	4,066
Plates (including plates for pipes and tubes) .....	320,114	306,867	-	306,867
Hot rolled sheets .....	720,056	726,987	427,367	299,620
Hot rolled strip .....	464,354	456,215	366,496	89,719
Total hot rolled products ...	2,543,681	2,527,084	922,164	1,604,920
<u>Cold rolled and coated:</u>				
Cold finished bars .....	24,343	24,341	-	24,341
Cold reduced sheets and strip, tin mill black plate and tin plate .....	849,701	856,757	355,883	500,874
Galvanized sheets .....	190,750	182,022	-	182,022
Total cold rolled and coated ..	1,064,794	1,063,120	355,883	707,237
Total carbon steel .....	3,608,475	3,590,204	1,278,047	2,312,157
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	2,437	2,437	2,437	-
For forging and piercing .....	25,835	25,835	-	25,835
Alloy plates .....	7,915	12,305	-	12,305
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	78,380	69,903	766	69,137
Cold finished bars .....	1,700	1,634	-	1,634
Wire rods .....	1,431	1,615	-	1,615
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	17,827	16,823	-	16,823
Total alloy steel .....	135,525	130,552	3,203	127,349

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, April 1966

SDI No.	April 1966		Four months ended April 1966	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
4 Wholesalers and warehouses .....	71,917	1,919	290,182	7,236
6 Automotive and aircraft industries ...	43,162	10,606	194,476	44,982
7 Agricultural .....	13,889	250	67,288	1,223
8a Contractors - Building .....	40,034	-	152,085	5
b Construction - Public and Utility .....	8,020	1	24,365	30
c Structural steel fabricators .....	78,114	1,280	296,284	3,635
9 Containers .....	39,969	54	166,423	370
10 Machinery and tools .....	26,263	2,901	101,123	10,199
11 Wire, wire products and fasteners ...	40,144	1,059	176,857	4,583
12 Natural resources and extractive industries .....	11,704	7,174	45,231	12,564
13 Appliances and utensils .....	16,961	319	68,199	1,084
14 Other metal stamping and pressing ....	31,035	362	117,879	1,345
16 Railway operating .....	27,794	113	104,222	123
17 Railroad cars and locomotives .....	11,800	94	45,959	1,155
18 Shipbuilding .....	11,057	1,295	40,252	5,143
19 Pipes and tubes .....	70,605	2,534	248,387	15,427
20 Miscellaneous .....	1,324	56	6,877	167
Total domestic shipments .....	543,792	30,017	2,146,089	109,271
5 Export:				
United States .....	38,692	3,328	105,845	12,063
Other countries .....	12,797	1,460	60,223	6,015
Total Export .....	51,489	4,788	166,068	18,078
Total net shipments .....	595,281	34,805	2,312,157	127,349

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, April 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	1	208	417	7,169	2,141	9,821	6,869
6	Automotive and air-craft industries .....	2,450	20	3	409	63	-	12,764
7	Agriculture .....	-	-	-	504	950	-	3,604
8a	Contractors - Building ...	-	3	239	209	133	10,330	377
b	Construction - Public and utility .....	-	-	-	226	-	6,189	585
c	Structural steel fabri- cators .....	-	84	33	19,060	2,845	25,318	4,116
9	Containers .....	-	-	1	-	-	-	-
10	Machinery and tools .....	291	453	521	1,174	286	90	4,929
11	Wire, wire products and fasteners .....	238	-	33,183	15	112	380	4,545
12	Natural resources and extractive industries ..	463	1,469	52	577	159	516	12,668
13	Appliances and utensils ..	-	-	-	104	49	-	135
14	Other metal stamping and pressing .....	419	148	71	205	829	7,071	3,364
16	Railway operating .....	-	18,549	5	116	112	-	790
17	Railroad cars and loco- motives .....	2,904	-	-	2,353	60	-	398
18	Shipbuilding .....	-	-	-	1,423	70	-	305
19	Pipes and tubes .....	15,184	-	128	-	57	349	79
20	Miscellaneous .....	-	-	224	49	107	72	293
Total domestic shipments		21,950	20,934	34,877	33,593	7,973	60,136	55,821
5 Export:								
	United States .....	8,792	497	95	1,093	89	1,053	3,425
	Other countries .....	-	17	1,409	-	-	-	1,904
	Total export .....	8,792	514	1,504	1,093	89	1,053	5,329
Total net shipments		30,742	21,448	36,381	34,686	8,062	61,189	61,150

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, April 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
85	11,507	13,006	204	2,012	12,635	7,761	73,836	4
-	644	17,932	2,367	1,502	14,229	1,385	53,768	6
-	1,296	4,116	42	915	1,571	1,141	14,139	7
3	920	3,716	44	23	2,895	21,142	40,034	8a
27	288	390	-	1	315	-	8,021	b
44	21,299	3,278	1,093	63	652	1,509	79,394	c
-	-	253	367	-	39,058	344	40,023	9
21	7,880	4,301	360	819	7,284	755	29,164	10
10	164	1,224	136	264	846	86	41,203	11
443	1,511	355	18	12	259	376	18,878	12
-	1,083	2,617	69	151	11,242	1,830	17,280	13
8	2,165	5,325	357	252	9,558	1,625	31,397	14
7,242	858	49	-	-	10	176	27,907	16
-	4,815	1,163	-	13	188	-	11,894	17
-	10,407	147	-	-	-	-	12,352	18
-	19,047	9,673	23,291	-	4,853	478	73,139	19
-	-	-	-	4	631	-	1,380	20
7,883	83,884	67,545	28,348	6,031	106,226	38,608	573,809	
5								
4	2,349	5,381	-	-	13,991	5,251	42,020	
2	129	101	-	2	9,331	1,362	14,257	
6	2,478	5,482	-	2	23,322	6,613	56,277	
7,889	86,362	73,027	28,348	6,033	129,548	45,221	630,086	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product Four Months Ended April 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	24	829	2,258	30,413	8,263	27,797	30,615
6	Automotive and air-craft industries .....	13,745	20	10	932	492	41	59,569
7	Agriculture .....	-	-	20	2,242	3,464	-	18,329
8a	Contractors - Building ...	-	106	417	1,576	600	34,629	1,750
b	Construction - Public and utility .....	-	533	-	2,934	41	15,781	1,031
c	Structural steel fabri- cators .....	199	529	323	87,553	12,203	85,190	12,776
9	Containers .....	-	-	48	-	-	-	10
10	Machinery and tools .....	1,388	695	1,612	5,141	1,145	299	14,679
11	Wire, wire products and fasteners .....	2,800	-	141,594	70	661	872	25,036
12	Natural resources and extractive industries ..	1,747	3,402	183	2,308	492	3,184	34,795
13	Appliances and utensils ..	-	-	13	391	225	-	438
14	Other metal stamping and pressing .....	1,063	460	736	972	2,457	23,514	11,032
16	Railway operating .....	14	75,444	36	1,397	344	-	2,888
17	Railroad cars and loco- motives .....	10,218	60	2	8,826	214	-	3,274
18	Shipbuilding .....	-	24	-	4,891	242	-	840
19	Pipes and tubes .....	69,093	-	982	-	59	349	175
20	Miscellaneous .....	2	-	589	121	492	891	1,459
Total domestic shipments		100,293	82,102	148,823	149,767	31,394	192,547	218,696
5 Export:								
United States .....		14,412	4,382	471	3,230	193	2,176	11,301
Other countries .....		16,446	29	2,953	-	-	393	4,577
Total export .....		30,858	4,411	3,424	3,230	193	2,569	15,878
Total net shipments		131,151	86,513	152,247	152,997	31,587	195,116	234,574

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Four Months Ended April 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black-plate and tin plate(2)	Galvanized sheets	Total	SDI No.
299	45,463	53,230	2,152	7,797	49,466	38,812	297,418	4
-	2,907	74,288	11,624	7,362	60,320	8,148	239,458	6
-	6,194	23,597	287	4,305	6,907	3,166	68,511	7
69	3,045	13,212	238	38	12,548	83,862	152,090	8a
60	899	2,083	-	2	1,031	-	24,395	b
88	70,184	15,404	4,407	208	3,944	6,911	299,919	c
-	11	1,275	1,434	-	162,474	1,541	166,793	9
22	31,355	20,476	1,612	3,090	26,935	2,873	111,322	10
191	680	4,754	447	1,042	2,616	677	181,440	11
855	6,171	1,190	18	82	2,142	1,226	57,795	12
-	3,315	10,130	295	617	47,047	6,812	69,283	13
13	8,811	20,428	1,279	1,071	40,492	6,896	119,224	14
19,335	3,767	682	-	1	47	390	104,345	16
-	19,762	3,313	-	55	976	414	47,114	17
-	37,686	1,398	16	11	155	132	45,395	18
-	71,012	36,008	65,862	-	18,650	1,624	263,814	19
-	214	19	-	59	3,198	-	7,044	20
20,932	311,476	281,487	89,671	25,740	438,948	163,484	2,255,360	
5								
182	7,021	17,386	48	225	42,576	14,305	117,908	
2	675	747	-	10	36,173	4,233	66,238	
184	7,696	18,133	48	235	78,749	18,538	184,146	
21,116	319,172	299,620	89,719	25,975	517,697	182,022	2,439,506	

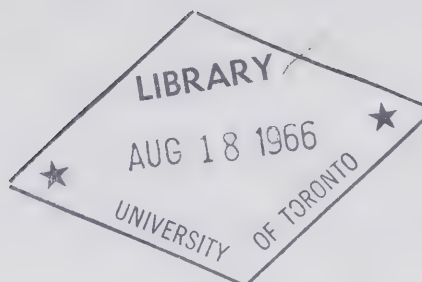




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# PRIMARY IRON AND STEEL

## MAY 1966

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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14	7,141,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24	7,643,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	May 1966	Five months ended May 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	71,539	324,542
From foreign mines .....	55,844	396,793
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	364,098	1,943,783
From foreign mines .....	278,774	1,215,076
From own processing .....	156,562	751,770
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	17,821	105,372
Scrap iron and steel .....	10,046	45,776
Limestone .....	62,152	272,086
Dolomite .....	42,972	240,660
Coke .....	342,654	1,711,630

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, May

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	575,538	8,313	568,758	8,144
Foundry (including silvery pig)(2) .....	41,241	47,430	34,754	26,884
Malleable .....	20,370	45,718	20,164	15,345
Total pig iron .....	637,149	101,461	623,676	50,373
Ferro-alloys .....	16,956	12,274	16,202	12,891
Stocks of pig iron on hand at end of month ....	182,641		202,510	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Five Months Ended May

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	2,532,928	42,213	2,801,192	37,488
Foundry (including silvery pig)(2) .....	202,351	153,458	202,344	161,406
Malleable .....	96,581	122,787	109,625	66,632
Total pig iron .....	2,831,860	318,458	3,113,161	265,526
Ferro-alloys .....	78,545	70,662	76,517	62,680

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	May		Five months ended May	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	556,753	557,604	2,455,481	2,726,443
Scrap - Own make .....	265,194	274,060	1,262,235	1,299,174
Purchased .....	184,638	198,305	949,100	887,882
Total pig iron and scrap .....	1,006,585	1,029,969	4,666,816	4,913,499

TABLE 7. Production and Shipments of Steel Ingots and Castings May

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	780,163	25,883	788,790	18,545
Electric .....	99,952	10,869	106,868	11,049
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	880,115	36,752	895,658	29,594
Continuous cast steel included in above .....	28,011 <sup>r</sup>	1,497	41,283	(3)
Alloy steel ingots included in above .....	56,313	1,638	55,680	1,645
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	-	-
Electric .....	14,228	13,048	16,820	15,455
Other .....	(4)	(4)	-	-
Total steel castings .....	14,228	13,048	16,820	15,455
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	394	412	542	451
High alloy, manganese and abrasion resistant	2,146	2,290	2,554	2,405
All other alloys .....	1,088	746	1,009	1,069
Total alloy castings .....	3,628	3,448	4,105	3,925

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".

(3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings Five Months Ended May

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	3,559,349	26,602	3,773,318	31,541
Electric .....	473,839	55,446	499,442	59,204
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	4,033,188	82,048	4,272,760	90,745
Continuous cast steel included in above .....	116,626 <sup>r</sup>	5,352	192,328	(3)
Alloy steel ingots included in above .....	262,882	8,059	343,631	6,608
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	71,330	67,898	79,767	74,524
Other .....	(4)	(4)	-	-
Total steel castings .....	71,330	67,898	79,767	74,524
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	2,403	1,845	2,354	2,148
High alloy, manganese and abrasion resistant ..	11,307	11,329	13,609	13,252
All other alloys .....	4,875	4,495	5,189	5,260
Total alloy castings .....	18,585	17,669	21,152	20,660

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".

(3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	May 1966		Five months ended May 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	526	381	2,882	2,285
Automotive and aircraft industries .....	331	18	2,658	120
Agricultural (including implement and equipment manufacturers) .....	149	15	711	113
Construction (including public works, public utilities and structural steel fabricators) ...	191	216	608	1,395
Machinery and tools .....	1,815	707	9,612	3,550
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,263	1,657	5,591	7,891
Railway operating .....	4,815	399	20,120	2,994
Railroad cars and locomotives .....	2,107	68	10,153	459
Shipbuilding .....	60	43	326	105
Miscellaneous and unclassified .....	273	421	1,203	1,748
Totals .....	11,530	3,925	53,864	20,660

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".

(3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings May

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	27,306	23,204	23,982	23,144
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	31,346	22,019
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	13,144	15,618
Totals .....	72,054	69,537	68,472	60,781

Steel pipe fittings:

Buttwelding fittings .....	167	192	154	138
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	553	586	618	505
Totals .....	720	778	772	643

(1) 1965 figures not available on comparable basis due to change in 1966 item definition.

(2) Included with "Other."

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings Five Months Ended May

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	102,754	98,383	95,329	94,715
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	148,374	132,445
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	87,466	77,672
Totals .....	318,754	309,505	331,169	304,832

Steel pipe fittings:

Buttwelding fittings .....	677	845	664	632
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	2,862	3,139	2,750	2,820
Totals .....	3,539	3,984	3,414	3,452

(1) 1965 figures not available on comparable basis due to change in 1966 item definition.

(2) Included with "Other."



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, May 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
	net tons of 2,000 pounds			
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	32,513	30,503	25,313	5,190
For forging and piercing .....	22,899	21,309	-	21,309
Rails .....	30,023	34,154	-	34,154
Wire rods .....	37,159	34,077	-	34,077
Structural shapes:				
Heavy, including piling .....	42,414	38,287	-	38,287
Bar-sized shapes .....	7,043	6,856	-	6,856
Concrete reinforcing bars .....	76,986	79,770	-	79,770
Other hot rolled bars:				
Flats .....	7,031	6,855	) 4,163	( 6,855
Other .....	41,809	42,752		( 38,589
Tie plates and track material:				
Angle bars .....	1,713	1,413	-	1,413
Tie plates .....	4,238	3,962	-	3,962
Track spikes .....	923	1,006	-	1,006
Plates (including plates for pipes and tubes) .....	72,892	74,727	-	74,727
Hot rolled sheets .....	191,642	193,889	104,302	89,587
Hot rolled strip .....	135,428	134,303	106,471	27,832
Total hot rolled products ...	704,713	703,863	240,249	463,614
<u>Cold rolled and coated:</u>				
Cold finished bars .....	6,305	6,578	-	6,578
Cold reduced sheets and strip, tin mill black plate and tin plate .....	223,634	232,379	99,979	132,400
Galvanized sheets .....	50,519	52,799	-	52,799
Total cold rolled and coated ..	280,458	291,756	99,979	191,777
Total carbon steel .....	985,171	995,619	340,228	655,391
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	175	175	175	-
For forging and piercing .....	4,281	4,281	-	4,281
Alloy plates .....	2,074	3,160	-	3,160
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	16,787	16,010	83	15,927
Cold finished bars .....	580	574	-	574
Wire rods .....	128	106	-	106
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,029	5,200	-	5,200
Total alloy steel .....	29,054	29,504	258	29,248

TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Five Months Ended May 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	159,542(1)	163,938	135,342	28,596
For forging and piercing .....	101,453	103,219	-	103,219
Rails .....	118,156	120,667	-	120,667
Wire rods .....	189,597	184,709	-	184,709
Structural shapes:				
Heavy, including piling .....	200,359	191,284	-	191,284
Bar-sized shapes .....	40,118	38,443	-	38,443
Concrete reinforcing bars .....	282,546	274,886	-	274,886
Other hot rolled bars:				
Flats .....	36,133	37,870	)	( 37,870
Other .....	206,014	195,446	) 22,435	( 173,011
Tie plates and track material:				
Angle bars .....	5,663	5,327	-	5,327
Tie plates .....	17,826	17,098	-	17,098
Track spikes .....	3,803	5,072	-	5,072
Plates (including plates for pipes and tubes) .....	393,006	381,594	-	381,594
Hot rolled sheets .....	911,698	920,876	531,669	389,207
Hot rolled strip .....	599,782	590,518	472,967	117,551
Total hot rolled products ...	3,265,696	3,230,947	1,162,413	2,068,534
<u>Cold rolled and coated:</u>				
Cold finished bars .....	30,648	30,919	-	30,919
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,073,335	1,089,136	455,862	633,274
Galvanized sheets .....	241,269	234,821	-	234,821
Total cold rolled and coated ..	1,345,252	1,354,876	455,862	899,014
Total carbon steel .....	4,610,948	4,585,823	1,618,275	2,967,548
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	2,612	2,612	2,612	-
For forging and piercing .....	30,116	30,116	-	30,116
Alloy plates .....	9,989	15,465	-	15,465
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	95,167	85,913	849	85,064
Cold finished bars .....	2,280	2,208	-	2,208
Wire rods .....	1,559	1,721	-	1,721
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	22,856	22,023	-	22,023
Total alloy steel .....	164,579	160,058	3,461	156,597

(1) Includes revision.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, May 1966

SDI No.	May 1966		Five months ended May 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
4 Wholesalers and warehouses .....	85,415	3,223	375,597	10,459
6 Automotive and aircraft industries ...	49,672	10,054	244,148	55,036
7 Agricultural .....	15,335	265	82,623	1,488
8a Contractors - Building .....	45,181	12	197,266	17
b Construction - Public and Utility .....	9,693	3	34,058	33
c Structural steel fabricators .....	86,461	1,709	382,745	5,344
9 Containers .....	45,543	63	211,966	433
10 Machinery and tools .....	25,371	2,829	126,494	13,028
11 Wire, wire products and fasteners ...	42,987	695	219,844	5,278
12 Natural resources and extractive industries .....	13,472	1,600	58,703	14,164
13 Appliances and utensils .....	16,830	333	85,029	1,417
14 Other metal stamping and pressing ....	34,762	701	152,641	2,046
16 Railway operating .....	39,344	-	143,566	123
17 Railroad cars and locomotives .....	6,936	106	52,895	1,261
18 Shipbuilding .....	10,059	1,120	50,311	6,263
19 Pipes and tubes .....	63,892	1,992	312,279	17,419
20 Miscellaneous .....	1,696	63	8,573	230
Total domestic shipments .....	592,649	24,768	2,738,738	134,039
5 Export:				
United States .....	45,106	2,951	150,951	15,014
Other countries .....	17,636	1,529	77,859	7,544
Total Export .....	62,742	4,480	228,810	22,558
Total net shipments .....	655,391	29,248	2,967,548	156,597

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product May 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
				net tons of 2,000 pounds				
4	Wholesalers and ware- houses .....	6	360	602	7,260	1,765	15,785	9,256
6	Automotive and air-craft industries .....	4,124	-	3	397	51	-	12,965
7	Agriculture .....	-	-	6	719	324	-	4,665
8a	Contractors - Building ...	-	60	24	885	480	12,054	474
b	Construction - Public and utility .....	-	-	-	131	54	9,014	13
c	Structural steel fabri- cators .....	71	46	-	21,885	2,589	30,889	4,907
9	Containers .....	-	-	31	-	-	-	19
10	Machinery and tools .....	435	-	778	1,097	172	50	4,235
11	Wire, wire products and fasteners .....	747	-	31,595	-	97	56	8,760
12	Natural resources and extractive industries ..	393	1,162	5	1,396	16	1,923	7,214
13	Appliances and utensils ..	-	-	-	51	61	-	110
14	Other metal stamping and pressing .....	586	127	202	166	595	8,644	3,675
16	Railway operating .....	5	31,620	1	255	122	-	476
17	Railroad cars and loco- motives .....	1,783	-	-	932	-	-	302
18	Shipbuilding .....	-	-	-	1,159	238	-	478
19	Pipes and tubes .....	15,933	-	157	-	-	53	41
20	Miscellaneous .....	-	-	71	37	153	441	430
Total domestic shipments		24,083	33,375	33,475	36,370	6,717	78,909	58,020
Export:								
United States .....		6,697	779	97	1,917	139	861	2,581
Other countries .....		-	-	611	-	-	-	770
Total export .....		6,697	779	708	1,917	139	861	3,351
Total net shipments		30,780	34,154	34,183	38,287	6,856	79,770	61,371

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, May 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
116	13,933	14,157	52	2,957	13,167	9,222	88,638	4
-	948	19,836	1,982	1,548	15,999	1,873	59,726	6
-	1,006	4,028	245	929	1,610	2,068	15,600	7
36	773	2,866	61	11	3,714	23,755	45,193	8a
28	7	198	-	-	251	-	9,696	b
6	21,080	3,182	1,614	46	1,007	848	88,170	c
-	-	230	746	-	44,147	433	45,606	9
2	8,010	4,154	429	822	7,119	897	28,200	10
81	154	1,364	20	174	634	-	43,682	11
93	1,721	309	42	15	475	308	15,072	12
-	718	2,639	25	185	11,781	1,593	17,163	13
5	2,602	5,915	385	315	10,897	1,349	35,463	14
5,979	536	298	-	3	9	40	39,344	16
-	3,134	708	-	2	181	-	7,042	17
-	9,075	111	-	-	74	44	11,179	18
-	10,022	11,985	21,697	-	5,438	558	65,884	19
10	-	19	35	95	442	26	1,759	20
6,356	73,719	71,999	27,333	7,102	116,945	43,014	617,417	
25	2,779	17,297	499	1	7,535	6,850	48,057	5
-	1,389	291	-	49	13,120	2,935	19,165	
25	4,168	17,588	499	50	20,655	9,785	67,222	
6,381	77,887	89,587	27,832	7,152	137,600	52,799	684,639	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product Five Months Ended May 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
				net tons of 2,000 pounds				
4	Wholesalers and ware- houses .....	30	1,189	2,860	37,673	10,028	43,582	39,871
6	Automotive and air-craft industries .....	17,869	20	13	1,329	543	41	72,534
7	Agriculture .....	-	-	26	2,961	3,788	-	22,994
8a	Contractors - Building ...	-	166	441	2,461	1,080	46,683	2,224
b	Construction - Public and utility .....	-	533	-	3,065	95	24,795	1,044
c	Structural steel fabri- cators .....	270	575	323	109,438	14,792	116,079	17,683
9	Containers .....	-	-	79	-	-	-	29
10	Machinery and tools .....	1,823	695	2,390	6,238	1,317	349	18,914
11	Wire, wire products and fasteners .....	3,547	-	173,189	70	758	928	33,796
12	Natural resources and extractive industries ..	2,140	4,564	188	3,704	508	5,107	42,009
13	Appliances and utensils ..	-	-	13	442	286	-	548
14	Other metal stamping and pressing .....	1,649	587	938	1,138	3,052	32,158	14,707
16	Railway operating .....	19	107,064	37	1,652	466	-	3,364
17	Railroad cars and loco- motives .....	12,001	60	2	9,758	214	-	3,576
18	Shipbuilding .....	-	24	-	6,050	480	-	1,318
19	Pipes and tubes .....	85,026	-	1,139	-	59	402	216
20	Miscellaneous .....	2	-	660	158	645	1,332	1,889
Total domestic shipments		124,376	115,477	182,298	186,137	38,111	271,456	276,716
5	Export:							
	United States .....	21,109	5,161	568	5,147	332	3,037	13,882
	Other countries .....	16,446	29	3,564	-	-	393	5,347
	Total export .....	37,555	5,190	4,132	5,147	332	3,430	19,229
	Total net shipments	161,931	120,667	186,430	191,284	38,443	274,886	295,945

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Five Months Ended May 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black-plate and tin plate(2)	Galvanized sheets	Total	SDI No.
415	59,396	67,387	2,204	10,754	62,633	48,034	386,056	4
-	3,855	94,124	13,606	8,910	76,319	10,021	299,184	6
-	7,200	27,625	532	5,234	8,517	5,234	84,111	7
105	3,818	16,078	299	49	16,262	107,617	197,283	8a
88	906	2,281	-	2	1,282	-	34,091	b
94	91,264	18,586	6,021	254	4,951	7,759	388,089	c
-	11	1,505	2,180	-	206,621	1,974	212,399	9
24	39,365	24,630	2,041	3,912	34,054	3,770	139,522	10
272	834	6,118	467	1,216	3,250	677	225,122	11
948	7,892	1,499	60	97	2,617	1,534	72,867	12
-	4,033	12,769	320	802	58,828	8,405	86,446	13
18	11,413	26,343	1,664	1,386	51,389	8,245	154,687	14
25,314	4,303	980	-	4	56	430	143,689	16
-	22,896	4,021	-	57	1,157	414	54,156	17
-	46,761	1,509	16	11	229	176	56,574	18
-	81,034	47,993	87,559	-	24,088	2,182	329,698	19
10	214	38	35	154	3,640	26	8,803	20
27,288	385,195	353,486	117,004	32,842	555,893	206,498	2,872,777	
207	9,800	34,683	547	226	50,111	21,155	165,965	5
2	2,064	1,038	-	59	49,293	7,168	85,403	
209	11,864	35,721	547	285	99,404	28,323	251,368	
27,497	397,059	389,207	117,551	33,127	655,297	234,821	3,124,145	





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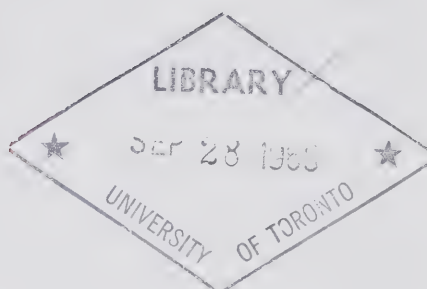
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MONTHLY



# PRIMARY IRON AND STEEL

## JUNE 1966



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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14	7,141,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24	7,643,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	June 1966	Six month ended June 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	44,940	369,482
From foreign mines .....	72,314	469,107
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	331,965	2,275,748
From foreign mines .....	298,844	1,513,920
From own processing .....	140,845	892,615
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	19,625	124,997
Scrap iron and steel .....	9,661	55,437
Limestone .....	55,287	327,373
Dolomite .....	39,068	279,728
Coke .....	326,516	2,038,146

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, June

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	538,487	8,320	544,168	5,453
Foundry (including silvery pig)(2) .....	41,948	51,865	31,218	20,765
Malleable .....	12,195	29,167	20,707	24,164
Total pig iron .....	592,630	89,352	596,093	50,382
Ferro-alloys .....	14,991	16,430	17,540	15,042
Stocks of pig iron on hand at end of month ....	157,599		205,190	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Six Months Ended June

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	3,071,415	50,533	3,345,360	42,941
Foundry (including silvery pig)(2) .....	244,299	205,323	233,562	182,171
Malleable .....	108,776	151,954	130,332	90,796
Total pig iron .....	3,424,490	407,810	3,709,254	315,908
Ferro-alloys .....	93,536	87,092	94,057	77,722

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	June		Six month ended June	
	1965	1966	1965	1966
net tons of 2,000 pounds				
Pig iron .....	518,649	582,175	2,974,130	3,308,618
Scrap - Own make .....	253,503	249,280	1,515,738	1,548,454
Purchased .....	181,774	196,089	1,130,874	1,083,971
Total pig iron and scrap .....	953,926	1,027,544	5,620,742	5,941,043

TABLE 7. Production and Shipments of Steel Ingots and Castings June

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Steel ingots (both carbon and alloy)</u> (including continuous cast steel):				
Basic open hearth .....	740,900	39,913	751,250	216
Electric .....	89,834	9,296	99,974	9,942
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	830,734	49,209	851,224	10,158
Continuous cast steel included in above .....	27,695 <sup>r</sup>	1,575	38,563	(3)
Alloy steel ingots included in above .....	54,860	1,438	60,076	1,535
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	-	-
Electric .....	13,626	12,712	16,358	14,668
Other .....	(4)	(4)	-	-
Total steel castings .....	13,626	12,712	16,358	14,668
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	391	386	399	438
High alloy, manganese and abrasion resistant .....	2,854	2,472	2,768	2,648
All other alloys .....	1,098	1,009	1,033	1,034
Total alloy castings .....	4,343	3,867	4,200	4,120

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".

(3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings Six Months Ended June

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	4,300,249	66,515	4,524,568	31,757
Electric .....	563,673	64,742	599,416	69,146
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	4,863,922	131,257	5,123,984	100,903
Continuous cast steel included in above .....	144,321 <sup>r</sup>	6,927	230,891	(3)
Alloy steel ingots included in above .....	317,742	9,497	403,707	8,143
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	84,956	80,610	96,125	89,192
Other .....	(4)	(4)	-	-
Total steel castings .....	84,956	80,610	96,125	89,192
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	2,794	2,231	2,753	2,586
High alloy, manganese and abrasion resistant ..	14,161	13,801	16,377	15,900
All other alloys .....	5,973	5,504	6,222	6,294
Total alloy castings .....	22,928	21,536	25,352	24,780

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".  
 (3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.  
 Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	June 1966		Six months ended June 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	915	328	3,797	2,613
Automotive and aircraft industries .....	533	16	3,191	136
Agricultural (including implement and equipment manufacturers) .....	109	37	820	150
Construction (including public works, public utilities and structural steel fabricators) ...	188	155	796	1,550
Machinery and tools .....	1,708	620	11,320	4,170
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,279	1,653	6,870	9,544
Railway operating .....	3,462	728	23,582	3,722
Railroad cars and locomotives .....	2,005	97	12,158	556
Shipbuilding .....	115	20	441	125
Miscellaneous and unclassified .....	234	466	1,437	2,214
Total .....	10,548	4,120	64,412	24,780

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.  
 (b) Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
1965					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
1966					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	851,224	16,358	867,582
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings June

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	29,388	29,500	24,055	22,848
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	19,472	18,429
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	14,981	16,500
Totals .....	87,401	84,856	58,508	57,777

Steel pipe fittings:

Buttwelding fittings .....	162	226	227	230
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	632	654	693	606
Totals .....	794	880	920	836

(1) 1965 figures not available on comparable basis due to change in 1966 item definition.

(2) Included with "Other."

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings Six Months Ended June

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	132,142	127,883	119,384	117,563
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	167,846	150,874
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	102,447	94,172
Totals .....	406,155	394,361	389,677	362,609

Steel pipe fittings:

Buttwelding fittings .....	839	1,071	891	862
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	3,494	3,793	3,443	3,426
Totals .....	4,333	4,864	4,334	4,288

(1) 1965 figures not available on comparable basis due to change in 1966 item definition.

(2) Included with "Other."



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, June 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	36,256	37,535	37,535	-
For forging and piercing .....	19,990	21,583	-	21,583
Rails .....	26,091	26,532	-	26,532
Wire rods .....	30,327	32,607	-	32,607
Structural shapes:				
Heavy, including piling .....	29,968	36,742	-	36,742
Bar-sized shapes .....	4,387	7,633	-	7,633
Concrete reinforcing bars .....	65,893	73,594	-	73,594
Other hot rolled bars:				
Flats .....	8,229	8,125	) 5,248	( 8,125
Other .....	45,353	36,026	)	( 30,778
Tie plates and track material:				
Angle bars .....	1,752	1,669	-	1,669
Tie plates .....	2,205	2,363	-	2,363
Track spikes .....	852	965	-	965
Plates (including plates for pipes and tubes) .....	74,340	78,120	-	78,120
Hot rolled sheets .....	179,856	192,161	105,288	86,873
Hot rolled strip .....	126,535	124,279	100,587	23,692
Total hot rolled products ...	652,034	679,934	248,658	431,276
<u>Cold rolled and coated:</u>				
Cold finished bars .....	6,907	6,716	-	6,716
Cold reduced sheets and strip, tin mill black plate and tin plate .....	216,084	225,433	96,459	128,974
Galvanized sheets .....	47,290	50,041	-	50,041
Total cold rolled and coated ..	270,281	282,190	96,459	185,731
Total carbon steel .....	922,315	962,124	345,117	617,007
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	1,333	1,333	1,333	-
For forging and piercing .....	3,360	3,360	-	3,360
Alloy plates .....	8,068(1)	2,592	-	2,592
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	22,119	23,209	205	23,004
Cold finished bars .....	590	559	-	559
Wire rods .....	65	114	-	114
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,592	4,102	-	4,102
Total alloy steel .....	40,127	35,269	1,538	33,731

(1) Includes adjustments to date.

TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Six Months Ended June 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	195,798	201,473	172,877	28,596
For forging and piercing .....	121,443	124,802	-	124,802
Rails .....	144,247	147,199	-	147,199
Wire rods .....	219,924	217,316	-	217,316
Structural shapes:				
Heavy, including piling .....	230,327	228,026	-	228,026
Bar-sized shapes .....	44,505	46,076	-	46,076
Concrete reinforcing bars .....	348,439	348,480	-	348,480
Other hot rolled bars:				
Flats .....	44,362	45,995	) 27,683	( 45,995
Other .....	251,367	231,472	)	( 203,789
Tie plates and track material:				
Angle bars .....	7,415	6,996	-	6,996
Tie plates .....	20,031	19,461	-	19,461
Track spikes .....	4,655	6,037	-	6,037
Plates (including plates for pipes and tubes) .....	467,346	459,714	-	459,714
Hot rolled sheets .....	1,091,554	1,113,037	636,957	476,080
Hot rolled strip .....	726,317	714,797	573,554	141,243
Total hot rolled products ...	3,917,730	3,910,881	1,411,071	2,499,810
<u>Cold rolled and coated:</u>				
Cold finished bars .....	37,555	37,635	-	37,635
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,289,419	1,314,569	552,321	762,248
Galvanized sheets .....	288,559	284,862	-	284,862
Total cold rolled and coated ..	1,615,533	1,637,066	552,321	1,084,745
Total carbon steel .....	5,533,263	5,547,947	1,963,392	3,584,555
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	3,945	3,945	3,945	-
For forging and piercing .....	33,476	33,476	-	33,476
Alloy plates .....	18,057	18,057	-	18,057
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	117,286	109,122	1,054	108,068
Cold finished bars .....	2,870	2,767	-	2,767
Wire rods .....	1,624	1,835	-	1,835
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	27,448	26,125	-	26,125
Total alloy steel .....	204,706	195,327	4,999	190,328

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, June 1966

SDI No.	June 1966		Six months ended June 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
4 Wholesalers and warehouses .....	84,252	2,680	459,849	13,139
6 Automotive and aircraft industries ...	34,290	12,197	278,438	67,233
7 Agricultural .....	17,046	181	99,669	1,669
8a Contractors - Building .....	47,268	22	244,534	39
b Construction - Public and Utility .....	7,197	555	41,255	588
c Structural steel fabricators .....	81,416	1,311	464,161	6,655
9 Containers .....	49,549	42	261,515	475
10 Machinery and tools .....	22,143	3,055	148,637	16,083
11 Wire, wire products and fasteners ...	37,566	2,699	257,410	7,977
12 Natural resources and extractive industries .....	14,403	3,861	73,106	18,025
13 Appliances and utensils .....	17,177	404	102,206	1,821
14 Other metal stamping and pressing ....	38,624	1,111	191,265	3,157
16 Railway operating .....	30,083	3	173,649	126
17 Railroad cars and locomotives .....	6,524	116	59,419	1,377
18 Shipbuilding .....	5,848	228	56,159	6,491
19 Pipes and tubes .....	65,753	1,606	378,032	19,025
20 Miscellaneous .....	2,372	29	10,945	259
Total domestic shipments .....	561,511	30,100	3,300,249	164,139
5 Export:				
United States .....	37,901	2,648	188,852	17,662
Other countries .....	17,595	983	95,454	8,527
Total Export .....	55,496	3,631	284,306	26,189
Total net shipments .....	617,007	33,731	3,584,555	190,328

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, June 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
				net tons of 2,000 pounds				
4	Wholesalers and ware- houses .....	-	170	734	9,315	2,367	13,364	7,212
6	Automotive and air-craft industries .....	5,208	20	4	456	108	-	14,877
7	Agriculture .....	-	-	2	948	844	-	3,534
8a	Contractors - Building ...	2	-	35	196	147	13,508	601
b	Construction - Public and utility .....	-	4	-	245	-	5,225	234
c	Structural steel fabri- cators .....	330	25	-	19,571	2,468	28,338	4,757
9	Containers .....	-	-	-	-	-	-	5
10	Machinery and tools .....	638	23	409	886	489	4	2,976
11	Wire, wire products and fasteners .....	661	-	30,477	6	86	230	6,260
12	Natural resources and extractive industries ..	325	1,039	41	1,208	116	2,462	10,308
13	Appliances and utensils ..	40	-	-	70	-	5	28
14	Other metal stamping and pressing .....	79	36	735	219	702	8,754	5,402
16	Railway operating .....	-	24,418	-	384	118	20	57
17	Railroad cars and loco- motives .....	1,051	10	1	503	51	-	292
18	Shipbuilding .....	-	-	-	946	45	-	190
19	Pipes and tubes .....	15,778	-	77	-	-	109	1
20	Miscellaneous .....	-	-	121	252	12	950	293
Total domestic shipments		24,112	25,745	32,636	35,205	7,553	72,969	57,027
5 Export:								
United States .....		831	767	85	1,537	80	625	4,560
Other countries .....		-	20	-	-	-	-	320
Total export .....		831	787	85	1,537	80	625	4,880
Total net shipments		24,943	26,532	32,721	36,742	7,633	73,594	61,907

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, June 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
68	13,365	15,125	59	3,012	13,582	8,559	86,932	4
5	684	13,643	1,404	1,557	7,553	968	46,487	6
-	1,092	5,479	57	1,003	2,008	2,260	17,227	7
46	493	3,003	161	24	3,692	25,382	47,290	8a
16	870	804	-	1	353	-	7,752	b
2	19,059	3,403	1,692	25	925	2,132	82,727	c
-	-	158	92	-	49,060	276	49,591	9
5	7,583	3,722	449	894	6,498	622	25,198	10
4	277	1,266	12	267	578	141	40,265	11
304	1,751	368	7	22	90	223	18,264	12
-	1,029	1,948	72	128	12,731	1,530	17,581	13
22	3,239	6,165	334	270	11,956	1,822	39,735	14
4,457	494	103	-	-	30	5	30,086	16
-	3,678	703	-	13	- 13	351	6,640	17
-	4,769	80	-	46	-	-	6,076	18
-	16,407	10,222	19,353	-	4,870	542	67,359	19
61	-	-	-	8	680	24	2,401	20
4,990	74,790	66,192	23,692	7,270	114,593	44,837	591,611	
5								
7	2,237	19,149	-	-	7,132	3,539	40,549	
-	3,685	1,532	-	5	11,351	1,665	18,578	
7	5,922	20,681	-	5	18,483	5,204	59,127	
4,997	80,712	86,873	23,692	7,275	133,076	50,041	650,738	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Six Months Ended June 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
				net tons of 2,000 pounds				
4	Wholesalers and ware- houses .....	30	1,359	3,594	46,988	12,395	56,946	47,083
6	Automotive and air-craft industries .....	23,077	40	17	1,785	651	41	87,411
7	Agriculture .....	-	-	28	3,909	4,632	-	26,528
8a	Contractors - Building ...	2	166	476	2,657	1,227	60,191	2,825
b	Construction - Public and utility .....	-	537	-	3,310	95	30,020	1,278
c	Structural steel fabri- cators .....	600	600	323	129,009	17,260	144,417	22,440
9	Containers .....	-	-	79	-	-	-	34
10	Machinery and tools .....	2,461	718	2,799	7,124	1,806	353	21,890
11	Wire, wire products and fasteners .....	4,208	-	203,666	76	844	1,158	40,056
12	Natural resources and extractive industries ..	2,465	5,603	229	4,912	624	7,569	52,317
13	Appliances and utensils ..	40	-	13	512	286	5	576
14	Other metal stamping and pressing .....	1,728	623	1,673	1,357	3,754	40,912	20,109
16	Railway operating .....	19	131,482	37	2,036	584	20	3,421
17	Railroad cars and loco- motives .....	13,052	70	3	10,261	265	-	3,868
18	Shipbuilding .....	-	24	-	6,996	525	-	1,508
19	Pipes and tubes .....	100,804	-	1,216	-	59	511	217
20	Miscellaneous .....	2	-	781	410	657	2,282	2,182
Total domestic shipments		148,488	141,222	214,934	221,342	45,664	344,425	333,743
5	Export:							
	United States .....	21,940	5,928	653	6,684	412	3,662	18,442
	Other countries .....	16,446	49	3,564	-	-	393	5,667
	Total export .....	38,386	5,977	4,217	6,684	412	4,055	24,109
	Total net shipments	186,874	147,199	219,151	228,026	46,076	348,480	357,852

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Six Months Ended June 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black-plate and tin plate(2)	Galvanized sheets	Total	SDI No.
483	72,761	82,512	2,263	13,766	76,215	56,593	472,988	4
5	4,539	107,767	15,010	10,467	83,872	10,989	345,671	6
-	8,292	33,104	589	6,237	10,525	7,494	101,338	7
151	4,311	19,081	460	73	19,954	132,999	244,573	8a
104	1,776	3,085	-	3	1,635	-	41,843	b
96	110,323	21,989	7,713	279	5,876	9,891	470,816	c
-	11	1,663	2,272	-	255,681	2,250	261,990	9
29	46,948	28,352	2,490	4,806	40,552	4,392	164,720	10
276	1,111	7,384	479	1,483	3,828	818	265,387	11
1,252	9,643	1,867	67	119	2,707	1,757	91,131	12
-	5,062	14,717	392	930	71,559	9,935	104,027	13
40	14,652	32,508	1,998	1,656	63,345	10,067	194,422	14
29,771	4,797	1,083	-	4	86	435	173,775	16
-	26,574	4,724	-	70	1,144	765	60,796	17
-	51,530	1,589	16	57	229	176	62,650	18
-	97,441	58,215	106,912	-	28,958	2,724	397,057	19
71	214	38	35	162	4,320	50	11,204	20
32,278	459,985	419,678	140,696	40,112	670,486	251,335	3,464,388	
								5
214	12,037	53,832	547	226	57,243	24,694	206,514	
2	5,749	2,570	-	64	60,644	8,833	103,981	
216	17,786	56,402	547	290	117,887	33,527	310,495	
32,494	477,771	476,080	141,243	40,402	788,373	284,862	3,774,883	





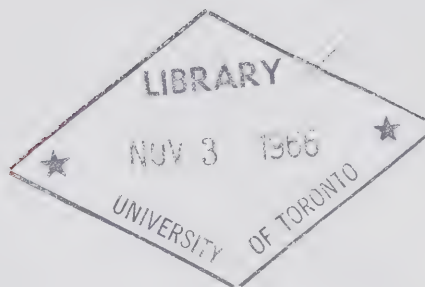
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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14	7,141,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24	7,643,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	July 1966	Seven months ended July 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	53,468	422,950
From foreign mines .....	152,091	621,198
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	291,819	2,567,567
From foreign mines .....	263,444	1,777,364
From own processing .....	162,069	1,054,684
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	21,381	146,378
Scrap iron and steel .....	9,616	65,053
Limestone .....	60,491	387,864
Dolomite .....	41,924	321,652
Coke .....	341,652	2,379,798

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, July

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	566,937	5,514	550,200	3,590
Foundry (including silvery pig)(2) .....	37,041	50,436	36,195	38,936
Malleable .....	21,019	19,957	20,951	30,414
Total pig iron .....	624,997	75,907	607,346	72,940
Ferro-alloys .....	14,271	13,921	14,926	13,451
Stocks of pig iron on hand at end of month ....	158,279 <sup>r</sup>		200,112	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

<sup>r</sup> Revised figure.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Seven Months Ended July

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	3,638,352	56,047	3,895,560	46,531
Foundry (including silvery pig)(2) .....	281,340	255,759	269,757	221,107
Malleable .....	129,795	171,911	151,283	121,210
Total pig iron .....	4,049,487	483,717	4,316,600	388,848
Ferro-alloys .....	107,807	101,013	108,983	91,173

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	July		Seven months ended July	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	542,848	529,972	3,516,978	3,838,590
Scrap - Own make .....	245,796	250,041	1,761,534	1,798,495
Purchased .....	168,528	170,415	1,299,402	1,254,386
Total pig iron and scrap .....	957,172	950,428	6,577,914	6,891,471

TABLE 7. Production and Shipments of Steel Ingots and Castings July

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	757,786	25,914	746,013	4,936
Electric .....	77,194	7,721	88,694	10,665
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	834,980	33,635	834,707	15,601
Continuous cast steel included in above .....	24,716 <sup>r</sup>	2,741	36,096	(3)
Alloy steel ingots included in above .....	43,036	1,874	65,461	1,862
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	-	-	-	-
Electric .....	10,289	10,458	10,608	11,944
Other .....	-	-	-	-
Total steel castings .....	10,289	10,458	10,608	11,944
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	308	354	293	346
High alloy, manganese and abrasion resistant .....	1,850	1,785	2,433	2,416
All other alloys .....	866	867	423	482
Total alloy castings .....	3,024	3,006	3,149	3,244

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".

(3) Confidential. <sup>r</sup> Revised figures.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings Seven Months Ended July

	1965		966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	5,058,035	92,429	5,270,581	36,693
Electric .....	640,867	72,463	688,110	79,811
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	5,698,902	164,892	5,958,691	116,504
Continuous cast steel included in above .....	169,037 <sup>x</sup>	9,668	266,987	(3)
Alloy steel ingots included in above .....	360,778	11,371	469,168	10,005
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	95,245	91,068	106,733	101,136
Other .....	(4)	(4)	(4)	(4)
Total steel castings .....	95,245	91,068	106,733	101,136
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	3,102	2,585	3,046	2,932
High alloy, manganese and abrasion resistant ..	16,011	15,586	18,810	18,316
All other alloys .....	6,839	6,371	6,645	6,776
Total alloy castings .....	25,952	24,542	28,501	28,024

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".  
(3) Confidential. (4) Included with "electric". <sup>x</sup> Revised figures.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	July 1966		Seven months ended July 1966	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Export .....	1,083	472	4,880	3,085
Automotive and aircraft industries .....	446	12	3,637	148
Agricultural (including implement and equipment manufacturers) .....	103	17	923	167
Construction (including public works, public utilities and structural steel fabricators) ...	143	133	939	1,683
Machinery and tools .....	2,010	538	13,330	4,708
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	869	1,292	7,739	10,836
Railway operating .....	2,947	379	26,529	4,101
Railroad cars and locomotives .....	879	138	13,037	694
Shipbuilding .....	53	2	494	127
Miscellaneous and unclassified .....	167	261	1,604	2,475
Total .....	8,700	3,244	73,112	28,024

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	851,224	16,358	867,582
July .....	607,346	14,926	834,707	10,608	845,315
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings July

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	23,420	21,582	18,925	23,360
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	12,419	16,399
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	11,545	13,468
Totals .....	68,772	68,426	42,889	53,227

Steel pipe fittings:

Buttwelding fittings .....	165	235	152	146
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	379	406	550	498
Totals .....	544	641	702	644

(1) 1965 figures not available on comparable basis due to change in 1966 item identification.  
(2) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings Seven Months Ended July

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	155,562	149,465	138,309	140,923
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	180,265	167,273
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	113,992	107,640
Totals .....	474,927	462,787	432,566	415,836

Steel pipe fittings:

Buttwelding fittings .....	1,004	1,306	1,043	1,008
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	3,873	4,199	3,993	3,924
Totals .....	4,877	5,505	5,036	4,932

(1) 1965 figures not available on comparable basis due to change in 1966 items identification.  
(2) Included with "Other".



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, July 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	38,063	36,076	36,076	-
For forging and piercing .....	11,792	14,742	-	14,742
Rails .....	25,374	16,988	-	16,988
Wire rods .....	24,472	25,742	-	25,742
Structural shapes:				
Heavy, including piling .....	31,018	32,952	-	32,952
Bar-sized shapes .....	7,045	6,359	-	6,359
Concrete reinforcing bars .....	58,619	64,754	-	64,754
Other hot rolled bars:				
Flats .....	6,985	7,353	) 4,528	( 7,353
Other .....	23,144	33,968	)	( 29,440
Tie plates and track material:				
Angle bars .....	1,131	1,035	-	1,035
Tie plates .....	6,372	4,470	-	4,470
Track spikes .....	595	653	-	653
Plates (including plates for pipes and tubes) .....	78,638	83,539	-	83,539
Hot rolled sheets .....	177,999	175,939	102,781	73,158
Hot rolled strip .....	116,540	113,847	94,915	18,932
Total hot rolled products ...	607,787	618,417	238,300	380,117
<u>Cold rolled and coated:</u>				
Cold finished bars .....	5,002	5,089	-	5,089
Cold reduced sheets and strip, tin mill black plate and tin plate .....	207,980	203,689	94,784	108,905
Galvanized sheets .....	50,907	49,661	-	49,661
Total cold rolled and coated ..	263,889	258,439	94,784	163,655
Total carbon steel .....	871,676	876,856	333,084	543,772
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	1,199	1,199	1,199	-
For forging and piercing .....	5,328	5,328	-	5,328
Alloy plates .....	1,686	1,686	-	1,686
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	18,510	18,775	207	18,568
Cold finished bars .....	511	480	-	480
Wire rods .....	263	232	-	232
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,573	4,377	-	4,377
Total alloy steel .....	32,070	32,077	1,406	30,671

TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Seven Months Ended July 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	233,861	237,549	208,953	28,596
For forging and piercing .....	133,235	139,544	-	139,544
Rails .....	169,621	164,187	-	164,187
Wire rods .....	244,396	243,058	-	243,058
Structural shapes:				
Heavy, including piling .....	261,345	260,978	-	260,978
Bar-sized shapes .....	51,550	52,435	-	52,435
Concrete reinforcing bars .....	407,058	413,234	-	413,234
Other hot rolled bars:				
Flats .....	51,347	53,348	) 32,211	( 53,348
Other .....	274,511	265,440		( 233,229
Tie plates and track material:				
Angle bars .....	8,546	8,031	-	8,031
Tie plates .....	26,403	23,931	-	23,931
Track spikes .....	5,250	6,690	-	6,690
Plates (including plates for pipes and tubes) .....	545,984	543,253	-	543,253
Hot rolled sheets .....	1,269,553	1,288,976	739,738	549,238
Hot rolled strip .....	842,857	828,644	668,469	160,175
Total hot rolled products ...	4,525,517	4,529,298	1,649,371	2,879,927
<u>Cold rolled and coated:</u>				
Cold finished bars .....	42,557	42,724	-	42,724
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,497,399	1,518,258	647,105	871,153
Galvanized sheets .....	339,466	334,523	-	334,523
Total cold rolled and coated ..	1,879,422	1,895,505	647,105	1,248,400
Total carbon steel .....	6,404,939	6,424,803	2,296,476	4,128,327
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	5,144	5,144	5,144	-
For forging and piercing .....	38,804	38,804	-	38,804
Alloy plates .....	19,743	19,743	-	19,743
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	135,796	127,897	1,261	126,636
Cold finished bars .....	3,381	3,247	-	3,247
Wire rods .....	1,887	2,067	-	2,067
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	32,021	30,502	-	30,502
Total alloy steel .....	236,776	227,404	6,405	220,999

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, July 1966

SDI No.	July 1966		Seven months ended July 1966	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
4 Wholesalers and warehouses .....	77,806	3,374	537,655	16,513
6 Automotive and aircraft industries ...	34,785	11,502	313,223	78,735
7 Agricultural .....	22,632	653	122,301	2,322
8a Contractors - Building .....	44,220	1	288,754	40
b Construction - Public and Utility .....	5,292	315	46,547	903
c Structural steel fabricators .....	77,389	1,301	541,550	7,956
9 Containers .....	43,552	5	305,067	480
10 Machinery and tools .....	20,447	1,938	169,084	18,021
11 Wire, wire products and fasteners ...	30,808	2,387	288,218	10,364
12 Natural resources and extractive industries .....	9,812	1,374	82,918	19,399
13 Appliances and utensils .....	12,107	230	114,313	2,051
14 Other metal stamping and pressing ....	28,611	600	219,876	3,757
16 Railway operating .....	22,957	-	196,606	126
17 Railroad cars and locomotives .....	8,591	83	68,010	1,460
18 Shipbuilding .....	5,424	106	61,583	6,597
19 Pipes and tubes .....	54,050	3,012	432,082	22,037
20 Miscellaneous .....	1,748	40	12,693	299
Total domestic shipments .....	500,231	26,921	3,800,480	191,060
5 Export:				
United States .....	27,732	2,424	216,584	20,086
Other countries .....	15,809	1,326	111,263	9,853
Total Export .....	43,541	3,750	327,847	29,939
Total net shipments .....	543,772	30,671	4,128,327	220,999

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product July 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	4	321	819	8,002	1,837	13,981	7,946
6	Automotive and air-craft industries .....	3,542	-	-	295	10	-	12,907
7	Agriculture .....	-	-	28	620	983	11	7,226
8a	Contractors - Building ...	-	6	110	330	164	8,593	645
b	Construction - Public and utility .....	-	-	-	223	20	3,435	322
c	Structural steel fabri- cators .....	157	42	60	17,937	2,140	29,899	4,409
9	Containers .....	-	-	11	-	-	-	-
10	Machinery and tools .....	508	52	29	987	528	10	2,500
11	Wire, wire products and fasteners .....	707	-	23,322	1	5	20	6,428
12	Natural resources and extractive industries ..	191	492	32	1,025	31	835	5,848
13	Appliances and utensils ..	-	-	1	3	25	-	73
14	Other metal stamping and pressing .....	30	15	245	140	369	6,156	2,382
16	Railway operating .....	6	15,326	1	349	25	24	381
17	Railroad cars and loco- motives .....	3,173	15	-	1,006	12	-	328
18	Shipbuilding .....	-	-	-	431	-	4	218
19	Pipes and tubes .....	10,572	-	423	-	-	151	-
20	Miscellaneous .....	-	-	78	67	89	407	499
Total domestic shipments		18,890	16,269	25,159	31,416	6,238	63,526	52,112
5 Export:								
	United States .....	1,180	719	93	1,270	121	1,228	2,199
	Other countries .....	-	-	722	266	-	-	1,050
	Total export .....	1,180	719	815	1,536	121	1,228	3,249
Total net shipments		20,070	16,988	25,974	32,952	6,359	64,754	55,361

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, July 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
94	14,430	10,454	283	2,102	13,037	7,870	81,180	4
-	581	14,451	1,864	1,028	10,115	1,494	46,287	6
-	1,914	7,199	139	1,305	1,898	1,962	23,285	7
64	837	2,010	145	-	2,449	28,868	44,221	8a
5	703	760	-	-	139	-	5,607	b
-	16,966	2,567	1,653	60	710	2,090	78,690	c
-	370	338	61	-	42,482	295	43,557	9
1	8,676	2,677	156	643	4,958	660	22,385	10
107	137	1,553	73	173	592	77	33,195	11
214	1,763	210	-	40	267	238	11,186	12
-	383	2,100	72	61	8,547	1,072	12,337	13
-	2,514	4,983	279	140	10,209	1,749	29,211	14
5,624	1,002	141	-	3	7	68	22,957	16
-	3,150	817	-	5	52	116	8,674	17
-	4,240	477	3	6	23	128	5,530	18
-	20,630	7,602	14,204	-	3,259	221	57,062	19
-	109	-	-	3	530	6	1,788	20
6,109	78,405	58,339	18,932	5,569	99,274	46,914	527,152	
								5
49	2,365	13,889	-	-	5,220	1,823	30,156	
-	4,455	930	-	-	8,788	924	17,135	
49	6,820	14,819	-	-	14,008	2,747	47,291	
6,158	85,225	73,158	18,932	5,569	113,282	49,661	574,443	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product Seven Months Ended July 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	34	1,680	4,413	54,990	14,232	70,927	55,029
6	Automotive and air-craft industries .....	26,619	40	17	2,080	661	41	100,318
7	Agriculture .....	-	-	56	4,529	5,615	11	33,754
8a	Contractors - Building ...	2	172	586	2,987	1,391	68,784	3,470
b	Construction - Public and utility .....	-	537	-	3,533	115	33,455	1,600
c	Structural steel fabri- cators .....	757	642	383	146,946	19,400	174,316	26,849
9	Containers .....	-	-	90	-	-	-	34
10	Machinery and tools .....	2,969	770	2,828	8,111	2,334	363	24,390
11	Wire, wire products and fasteners .....	4,915	-	226,988	77	849	1,178	46,484
12	Natural resources and extractive industries ..	2,656	6,095	261	5,937	655	8,404	58,165
13	Appliances and utensils ..	40	-	14	515	311	5	649
14	Other metal stamping and pressing .....	1,758	638	1,918	1,497	4,123	47,068	22,491
16	Railway operating .....	25	146,808	38	2,385	609	44	3,802
17	Railroad cars and loco- motives .....	16,225	85	3	11,267	277	-	4,196
18	Shipbuilding .....	-	24	-	7,427	525	4	1,726
19	Pipes and tubes .....	111,376	-	1,639	-	59	662	217
20	Miscellaneous .....	2	-	859	477	746	2,689	2,681
Total domestic shipments		167,378	157,491	240,093	252,758	51,902	407,951	385,855
5 Export:								
United States .....		23,120	6,647	746	7,954	533	4,890	20,641
Other countries .....		16,446	49	4,286	266	-	393	6,717
Total export .....		39,566	6,696	5,032	8,220	533	5,283	27,358
Total net shipments		206,944	164,187	245,125	260,978	52,435	413,234	413,213

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Seven Months Ended July 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
577	87,191	92,966	2,546	15,868	89,252	64,463	554,168	4
5	5,120	122,218	16,874	11,495	93,987	12,483	391,958	6
-	10,206	40,303	728	7,542	12,423	9,456	124,623	7
215	5,148	21,091	605	73	22,403	161,867	288,794	8a
109	2,479	3,845	-	3	1,774	-	47,450	b
96	127,289	24,556	9,366	339	6,586	11,981	549,506	c
-	381	2,001	2,333	-	298,163	2,545	305,547	9
30	55,624	31,029	2,646	5,449	45,510	5,052	187,105	10
383	1,248	8,937	552	1,656	4,420	895	298,582	11
1,466	11,406	2,077	67	159	2,974	1,995	102,317	12
-	5,445	16,817	464	991	80,106	11,007	116,364	13
40	17,166	37,491	2,277	1,796	73,554	11,816	223,633	14
35,395	5,799	1,224	-	7	93	503	196,732	16
-	29,724	5,541	-	75	1,196	881	69,470	17
-	55,770	2,066	19	63	252	304	68,180	18
-	118,071	65,817	121,116	-	32,217	2,945	454,119	19
71	323	38	35	165	4,850	56	12,992	20
38,387	538,390	478,017	159,628	45,681	769,760	298,249	3,991,540	
263	14,402	67,721	547	226	62,463	26,517	236,670	5
2	10,204	3,500	-	64	69,432	9,757	121,116	
265	24,606	71,221	547	290	131,895	36,274	357,786	
38,652	562,996	549,238	160,175	45,971	901,655	334,523	4,349,326	





CATALOGUE No.

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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14	7,141,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24	7,643,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	August 1966	Eight months ended August 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	41,704	464,654
From foreign mines .....	135,788	756,986
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	267,456	2,835,023
From foreign mines .....	209,673	1,987,037
From own processing .....	163,874	1,218,558
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	20,367	166,745
Scrap iron and steel .....	11,128	70,881(3)
Limestone .....	54,527	442,391
Dolomite .....	32,112	353,764
Coke .....	307,940	2,687,738

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

(3) Includes year-to-date adjustments.

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, August

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	575,364	6,155	468,183	3,447
Foundry (including silvery pig)(2) .....	43,991	36,830	39,583	22,964
Malleable .....	15,250	16,838	40,503	24,991
Total pig iron .....	634,605	59,823	548,269	51,402
Ferro-alloys .....	16,515	14,727	15,125	12,615
Stocks of pig iron on hand at end of month ....	168,693		199,669	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Eight Months Ended August

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	4,213,716	62,202	4,363,743	49,978
Foundry (including silvery pig)(2) .....	325,331	292,589	309,340	244,071
Malleable .....	145,045	188,749	191,786	146,201
Total pig iron .....	4,684,092	543,540	4,864,869	440,250
Ferro-alloys .....	124,322	115,740	124,108	103,788

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	August		Eight months ended August	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	557,211	476,192	4,074,189	4,314,782
Scrap - Own make .....	249,700	248,438	2,011,234	2,046,933
Purchased .....	177,680	143,224	1,477,082	1,397,610
Total pig iron and scrap .....	984,591	867,854	7,562,505	7,759,325

TABLE 7. Production and Shipments of Steel Ingots and Castings, August

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	772,128	43,360	653,082	28,106
Electric .....	91,216	7,157	101,772	11,473
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	863,344	50,517	754,854	39,579
Continuous cast steel included in above .....	28,460 <sup>r</sup>	1,265	38,257	(3)
Alloy steel ingots included in above .....	60,643	1,452	59,745	1,483
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	-	-
Electric .....	11,774	10,521	14,815	12,543
Other .....	-	-	-	-
Total steel castings .....	11,774	10,521	14,815	12,543
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	351	334	295	291
High alloy, manganese and abrasion resistant .....	1,994	2,177	2,643	2,530
All other alloys .....	1,005	926	713	717
Total alloy castings .....	3,350	3,437	3,651	3,538

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings, Eight Months Ended August

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	5,830,163	135,789	5,923,663	64,799
Electric .....	732,083	79,620	789,882	91,284
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	6,562,246	215,409	6,713,545	156,083
Continuous cast steel included in above .....	197,497 <sup>r</sup>	10,933	305,244	(3)
Alloy steel ingots included in above .....	421,421	12,823	528,913	11,488
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	107,019	101,589	121,548	113,679
Other .....	(4)	(4)	-	-
Total steel castings .....	107,019	101,589	121,548	113,679
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	3,453	2,919	3,341	3,223
High alloy, manganese and abrasion resistant ..	18,005	17,763	21,453	20,846
All other alloys .....	7,844	7,297	7,358	7,493
Total alloy castings .....	29,302	27,979	32,152	31,562

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	August 1966		Eight months ended August 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	574	374	5,454	3,459
Automotive and aircraft industries .....	466	11	4,103	159
Agricultural (including implement and equipment manufacturers) .....	141	24	1,064	191
Construction (including public works, public utilities and structural steel fabricators) ...	242	144	1,181	1,827
Machinery and tools .....	1,798	506	15,128	5,214
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,451	1,331	9,190	12,167
Railway operating .....	3,084	568	29,613	4,669
Railroad cars and locomotives .....	956	199	13,993	893
Shipbuilding .....	34	32	528	159
Miscellaneous and unclassified .....	259	349	1,863	2,824
Total .....	9,005	3,538	82,117	31,562

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,3
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	851,224	16,358	867,582
July .....	607,346	14,926	834,707	10,608	845,315
August .....	548,269	15,125	754,854	14,815	769,669
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings, August

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	21,702	21,219	28,608	26,516
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	23,555	25,632
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	16,989	17,257
Totals .....	59,149	53,427	69,152	69,405

Steel pipe fittings:

Buttwelding fittings .....	113	164	154	148
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	590	605	575	490
Totals .....	703	769	729	638

(1) 1965 figures not available on comparable basis due to change in 1966 item identification

(2) Included with "other".

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings, Eight Months Ended August

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	177,264	170,684	166,917	167,439
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	203,820	192,905
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	130,981	124,897
Totals .....	534,076	516,214	501,718	485,241

Steel pipe fittings:

Buttwelding fittings .....	1,117	1,470	1,197	1,156
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	4,463	4,804	4,568	4,414
Totals .....	5,580	6,274	5,765	5,570

(1) 1965 figures not available on comparable basis due to change in 1966 item identification.

(2) Included with "other".



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, August 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	38,160	36,555	36,555	-
For forging and piercing .....	17,469	17,603	-	17,603
Rails .....	17,251	24,181	-	24,181
Wire rods .....	35,534	32,903	-	32,903
Structural shapes:				
Heavy, including piling .....	38,099	32,711	-	32,711
Bar-sized shapes .....	3,617	8,018	-	8,018
Concrete reinforcing bars .....	60,780	74,002	-	74,002
Other hot rolled bars:				
Flats .....	10,658	10,479	) 5,495	( 10,479
Other .....	28,836	27,699	)	( 22,204
Tie plates and track material:				
Angle bars .....	962	696	-	696
Tie plates .....	6,336	6,903	-	6,903
Track spikes .....	191	261	-	261
Plates (including plates for pipes and tubes) .....	69,897	66,745	-	66,745
Hot rolled sheets .....	160,195	157,185	76,367	80,818
Hot rolled strip .....	121,905	120,532	100,412	20,120
Total hot rolled products ...	609,890	616,473	218,829	397,644
<u>Cold rolled and coated:</u>				
Cold finished bars .....	5,750	5,702	-	5,702
Cold reduced sheets and strip, tin mill black plate and tin plate .....	191,723	215,313	88,631	126,682
Galvanized sheets .....	47,813	45,976	-	45,976
Total cold rolled and coated ..	245,286	266,991	88,631	178,360
Total carbon steel .....	855,176	883,464	307,460	576,004
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	1,176	1,176	1,176	-
For forging and piercing .....	6,130	6,130	-	6,130
Alloy plates .....	1,372	1,372	-	1,372
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	15,294	14,031	350	13,681
Cold finished bars .....	534	585	-	585
Wire rods .....	259	227	-	227
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,453	4,570	-	4,570
Total alloy steel .....	29,218	28,091	1,526	26,565



TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Eight Months Ended August 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
Carbon steel:				
net tons of 2,000 pounds				
Hot rolled:				
Semi-finished shapes:				
For re-rolling .....	272,021	274,104	245,508	28,596
For forging and piercing .....	150,704	157,147	-	157,147
Rails .....	186,872	188,368	-	188,368
Wire rods .....	279,930	275,961	-	275,961
Structural shapes:				
Heavy, including piling .....	299,444	293,689	-	293,689
Bar-sized shapes .....	55,167	60,453	-	60,453
Concrete reinforcing bars .....	467,838	487,236	-	487,236
Other hot rolled bars:				
Flats .....	62,005	63,827	) 37,706	( 63,827
Other .....	303,347	293,139	)	( 255,433
Tie plates and track material:				
Angle bars .....	9,508	8,727	-	8,727
Tie plates .....	32,739	30,834	-	30,834
Track spikes .....	5,441	6,951	-	6,951
Plates (including plates for pipes and tubes) .....	615,881	609,998	-	609,998
Hot rolled sheets .....	1,429,748	1,446,161	816,105	630,056
Hot rolled strip .....	964,762	949,176	768,881	180,295
Total hot rolled products ...	5,135,407	5,145,771	1,868,200	3,277,571
Cold rolled and coated:				
Cold finished bars .....	48,307	48,426	-	48,426
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,689,122	1,733,571	735,736	997,835
Galvanized sheets .....	387,279	380,499	-	380,499
Total cold rolled and coated ..	2,124,708	2,162,496	735,736	1,426,760
Total carbon steel .....	7,260,115	7,308,267	2,603,936	4,704,331
Alloy steel:				
Semi-finished shapes:				
For re-rolling .....	6,320	6,320	6,320	-
For forging and piercing .....	44,934	44,934	-	44,934
Alloy plates .....	21,115	21,115	-	21,115
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	151,090	141,928	1,611	140,317
Cold finished bars .....	3,915	3,832	-	3,832
Wire rods .....	2,146	2,294	-	2,294
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	36,474	35,072	-	35,072
Total alloy steel .....	265,994	255,495	7,931	247,564

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, August 1966

SDI No.	August 1966		Eight months ended August 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
4 Wholesalers and warehouses .....	78,951	3,188	616,606	19,701
6 Automotive and aircraft industries ...	43,195	7,473	356,418	86,208
7 Agricultural .....	14,729	210	137,030	2,532
8a Contractors - Building .....	47,454	11	336,208	51
b Construction - Public and Utility .....	8,611	74	55,158	977
c Structural steel fabricators .....	75,811	1,088	617,361	9,044
9 Containers .....	46,763	19	351,830	499
10 Machinery and tools .....	21,050	2,329	190,134	20,350
11 Wire, wire products and fasteners ...	35,652	947	323,870	11,311
12 Natural resources and extractive industries .....	11,630	1,958	94,548	21,357
13 Appliances and utensils .....	18,194	313	132,507	2,364
14 Other metal stamping and pressing ....	26,587	1,145	246,463	4,902
16 Railway operating .....	11,737	9	208,343	135
17 Railroad cars and locomotives .....	11,000	9	79,010	1,469
18 Shipbuilding .....	5,275	87	66,858	6,684
19 Pipes and tubes .....	58,513	3,959	490,595	25,996
20 Miscellaneous .....	1,424	36	14,117	335
Total domestic shipments .....	516,576	22,855	4,317,056	213,915
5 Export:				
United States .....	32,148	3,053	248,732	23,139
Other countries .....	27,280	657	138,543	10,510
Total Export .....	59,428	3,710	387,275	33,649
Total net shipments .....	576,004	26,565	4,704,331	247,564

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, August 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	-	261	463	6,000	2,250	15,974	6,275
6	Automotive and air-craft industries .....	6,209	20	3	327	21	-	10,084
7	Agriculture .....	-	-	-	982	910	-	2,926
8a	Contractors - Building ...	-	7	75	558	161	14,765	296
b	Construction - Public and utility .....	-	-	-	90	3	7,211	248
c	Structural steel fabri- cators .....	-	65	482	18,084	3,174	30,495	5,235
9	Containers .....	-	-	14	-	-	-	-
10	Machinery and tools .....	202	38	255	822	452	23	2,373
11	Wire, wire products and fasteners .....	809	-	31,017	7	95	433	2,708
12	Natural resources and extractive industries ..	116	903	33	1,015	111	972	7,412
13	Appliances and utensils ..	24	-	1	-	21	-	82
14	Other metal stamping and pressing .....	58	-	190	18	547	3,133	3,817
16	Railway operating .....	-	7,152	-	162	9	41	66
17	Railroad cars and loco- motives .....	2,329	-	-	2,744	92	-	496
18	Shipbuilding .....	-	6	-	506	84	-	372
19	Pipes and tubes .....	12,580	-	-	223	-	-	84
20	Miscellaneous .....	-	-	169	71	31	221	339
Total domestic shipments		22,327	8,452	32,702	31,609	7,961	73,268	42,813
5 Export:								
	United States .....	1,406	1,151	59	1,102	57	734	3,395
	Other countries .....	-	14,578	369	-	-	-	156
	Total export .....	1,406	15,729	428	1,102	57	734	3,551
Total net shipments		23,733	24,181	33,130	32,711	8,018	74,002	46,364

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, August 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
98	12,626	12,342	128	2,297	14,860	8,565	82,139	4
-	389	18,446	1,769	1,673	10,849	878	50,668	6
-	1,412	3,983	282	697	1,828	1,919	14,939	7
-	320	2,721	252	63	3,086	25,161	47,465	8a
-	125	518	-	-	490	-	8,685	b
5	12,292	2,580	1,320	25	1,412	1,730	76,899	c
-	348	352	82	-	45,769	217	46,782	9
10	5,389	4,590	536	855	7,183	651	23,379	10
15	153	527	-	240	563	32	36,599	11
195	1,231	1,168	12	13	138	269	13,588	12
-	708	2,450	36	149	13,297	1,739	18,507	13
-	1,763	4,357	248	264	11,570	1,767	27,732	14
4,095	140	73	-	-	-	8	11,746	16
-	3,547	1,659	-	4	124	14	11,009	17
-	4,316	78	-	-	-	-	5,362	18
-	18,883	10,706	14,229	-	5,401	366	62,472	19
2	-	-	-	1	604	22	1,460	20
4,420	63,642	66,550	18,894	6,281	117,174	43,338	539,431	
5								
-	4,475	14,268	1,226	6	5,804	1,518	35,201	
3,440	-	-	-	-	8,274	1,120	27,937	
3,440	4,475	14,268	1,226	6	14,078	2,638	63,138	
7,860	68,117	80,818	20,120	6,287	131,252	45,976	602,569	



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Eight Months Ended August 1966

SDI No.	Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars	
				Heavy including piling	Bar- sized shapes			
net tons of 2,000 pounds								
4	Wholesalers and ware- houses .....	34	1,941	4,876	60,990	16,482	86,901	61,304
6	Automotive and air-craft industries .....	32,828	60	20	2,407	682	41	110,402
7	Agriculture .....	-	-	56	5,511	6,525	11	36,680
8a	Contractors - Building ...	2	179	661	3,545	1,552	83,549	3,766
b	Construction - Public and utility .....	-	537	-	3,623	118	40,666	1,848
c	Structural steel fabri- cators .....	757	707	865	165,030	22,574	204,811	32,084
9	Containers .....	-	-	104	-	-	-	34
10	Machinery and tools .....	3,171	808	3,083	8,933	2,786	386	26,763
11	Wire, wire products and fasteners .....	5,724	-	258,005	84	944	1,611	49,192
12	Natural resources and extractive industries ..	2,772	6,998	294	6,952	766	9,376	65,577
13	Appliances and utensils ..	64	-	15	515	332	5	731
14	Other metal stamping and pressing .....	1,816	638	2,108	1,515	4,670	50,201	26,308
16	Railway operating .....	25	153,960	38	2,547	618	85	3,868
17	Railroad cars and loco- motives .....	18,554	85	3	14,011	369	-	4,692
18	Shipbuilding .....	-	30	-	7,933	609	4	2,098
19	Pipes and tubes .....	123,956	-	1,639	223	59	662	301
20	Miscellaneous .....	2	-	1,028	548	777	2,910	3,020
Total domestic shipments		189,705	165,943	272,795	284,367	59,863	481,219	428,668
5 Export:								
United States .....		24,526	7,798	805	9,056	590	5,624	24,036
Other countries .....		16,446	14,627	4,655	266	-	393	6,873
Total export .....		40,972	22,425	5,460	9,322	590	6,017	30,909
Total net shipments		230,677	188,368	278,255	293,689	60,453	487,236	459,577

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Eight Months Ended August 1966

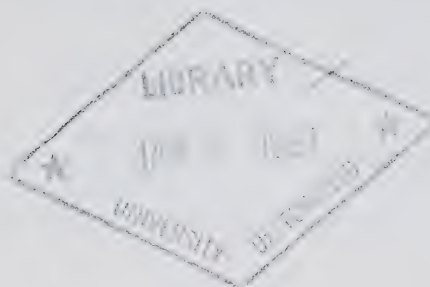
Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
675	99,817	105,308	2,674	18,165	104,112	73,028	636,307	4
5	5,509	140,664	18,643	13,168	104,836	13,361	442,626	6
-	11,618	44,286	1,010	8,239	14,251	11,375	139,562	7
215	5,468	23,812	857	136	25,489	187,028	336,259	8a
109	2,604	4,363	-	3	2,264	-	56,135	b
101	139,581	27,136	10,686	364	7,998	13,711	626,405	c
-	729	2,353	2,415	-	343,932	2,762	352,329	9
40	61,013	35,619	3,182	6,304	52,693	5,703	210,484	10
398	1,401	9,464	552	1,896	4,983	927	335,181	11
1,661	12,637	3,245	79	172	3,112	2,264	115,905	12
-	6,153	19,267	500	1,140	93,403	12,746	134,871	13
40	18,929	41,848	2,525	2,060	85,124	13,583	251,365	14
39,490	5,939	1,297	-	7	93	511	208,478	16
-	33,271	7,200	-	79	1,320	895	80,479	17
-	60,086	2,144	19	63	252	304	73,542	18
-	136,954	76,523	135,345	-	37,618	3,311	516,591	19
73	323	38	35	166	5,454	78	14,452	20
42,807	602,032	544,567	178,522	51,962	886,934	341,587	4,530,971	
5								
263	18,877	81,989	1,773	232	68,267	28,035	271,871	
3,442	10,204	3,500	-	64	77,706	10,877	149,053	
3,705	29,081	85,489	1,773	296	145,973	38,912	420,924	
46,512	631,113	630,056	180,295	52,258	1,032,907	380,499	4,951,895	



CATALOGUE No.

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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14	7,141,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24	7,643,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	September 1966	Nine months ended September 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	50,900	515,554
From foreign mines .....	102,254	859,240
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	303,779	3,138,802
From foreign mines .....	278,509	2,265,546
From own processing .....	154,889	1,373,447
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	23,370	190,115
Scrap iron and steel .....	10,922	81,803
Limestone .....	49,634	492,025
Dolomite .....	35,890	389,654
Coke .....	336,602	3,024,340

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, September

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	490,890	9,123	525,862	4,320
Foundry (including silvery pig)(2) .....	36,559	42,079	38,293	47,983
Malleable .....	58,295	43,178	42,174	31,067
Total pig iron .....	585,744	94,380	606,329	83,370
Ferro-alloys .....	17,164	14,175	14,578	15,240
Stocks of pig iron on hand at end of month ....	168,782		169,540	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Nine Months Ended September

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	4,704,606	71,325	4,889,605	54,298
Foundry (including silvery pig)(2) .....	361,890	334,668	347,633	292,054
Malleable .....	203,340	231,927	233,960	177,268
Total pig iron .....	5,269,836	637,920	5,471,198	523,620
Ferro-alloys .....	141,486	129,915	138,686	119,028

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	September		Nine months ended September	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	487,153	521,413	4,561,342	4,842,001(1)
Scrap - Own make .....	264,649	233,773	2,275,883	2,280,978(1)
Purchased .....	177,577	176,017	1,654,659	1,573,627
Total pig iron and scrap .....	929,379	931,203	8,491,884	8,696,606(1)

(1) Includes revisions to date.

TABLE 7. Production and Shipments of Steel Ingots and Castings, September

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	716,291	415	720,634	10,875
Electric .....	94,565	7,377	100,698	11,633
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	810,856	7,792	821,332	22,508
Continuous cast steel included in above .....	33,969 <sup>F</sup>	2,407	40,841	(3)
Alloy steel ingots included in above .....	64,959	1,446	63,176	1,376
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	-	-
Electric .....	12,893	14,218	17,055	14,210
Other .....	-	-	-	-
Total steel castings .....	12,893	14,218	17,055	14,210
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	422	403	323	314
High alloy, manganese and abrasion resistant .....	2,230	2,292	3,253	3,244
All other alloys .....	1,244	1,187	981	1,139
Total alloy castings .....	3,896	3,882	4,557	4,697

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".

(3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

TABLE 8. Production and Shipments of Steel Ingots and Castings, Nine Months Ended September

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	6,546,454	136,204	6,649,270(2)	80,596(2)
Electric .....	826,648	86,997	890,580	102,917
Oxygen .....	(3)	(3)	(3)	(3)
Total steel ingots .....	7,373,102	223,201	7,539,850(2)	183,513(2)
Continuous cast steel included in above .....	231,466 <sup>r</sup>	13,340	346,085	(4)
Alloy steel ingots included in above .....	486,380	14,269	592,089	12,864
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(5)	(5)	(5)	(5)
Electric .....	119,912	115,807	138,603	127,889
Other .....	(5)	(5)	-	-
Total steel castings .....	119,912	115,807	138,603	127,889
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	3,875	3,322	3,664	3,537
High alloy, manganese and abrasion resistant ..	20,235	20,055	24,706	24,090
All other alloys .....	9,088	8,484	8,339	8,632
Total alloy castings .....	33,198	31,861	36,709	36,259

(1) Includes amounts for sale and for own use. (2) Includes revisions to date. (3) Included with "Basic open hearth". (4) Confidential. (5) Included with "Electric". <sup>r</sup> Revised figure.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	September 1966		Nine months ended September 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	1,033	600	6,487	4,059
Automotive and aircraft industries .....	472	19	4,575	178
Agricultural (including implement and equipment manufacturers) .....	117	38	1,181	229
Construction (including public works, public utilities and structural steel fabricators) ...	78	200	1,259	2,027
Machinery and tools .....	1,493	750	16,621	5,964
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,160	1,682	10,350	13,849
Railway operating .....	3,302	634	32,915	5,303
Railroad cars and locomotives .....	1,588	345	15,581	1,238
Shipbuilding .....	23	41	551	200
Miscellaneous and unclassified .....	247	388	2,110	3,212
Total .....	9,513	4,697	91,630	36,259

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.  
(b) Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
1965					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
1966					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267 <sup>r</sup>	16,358	868,625 <sup>r</sup>
July .....	607,346	14,926	836,492 <sup>r</sup>	10,608	847,100 <sup>r</sup>
August .....	548,269	15,125	756,999 <sup>r</sup>	14,815	771,814 <sup>r</sup>
September .....	606,329	14,578	821,332	17,055	838,387
October .....					
November .....					
December .....					
Totals .....					

<sup>r</sup> Revised figures.



TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings, September

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	23,895	20,373	22,874	23,578
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	22,626	26,728
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	22,490	20,652
Totals .....	58,190	57,317	67,990	70,958

Steel pipe fittings:

Buttwelding fittings .....	130	187	148	156
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	579	606	461	559
Totals .....	709	793	609	715

(1) 1965 figures not available on comparable basis due to change in item identification.

(2) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings, Nine Months Ended September

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	201,159	191,057	189,791	191,017
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	226,446	219,633
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	153,471	145,549
Totals .....	592,266	573,531	569,708	556,199

Steel pipe fittings:

Buttwelding fittings .....	1,247	1,657	1,345	1,312
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	5,042	5,410	5,029	4,973
Totals .....	6,289	7,067	6,374	6,285

(1) 1965 figures not available on comparable basis due to change in item identification.

(2) Included with "Other".

TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, September 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
	net tons of 2,000 pounds			
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	30,041	30,119	30,119	-
For forging and piercing .....	23,253	21,020	-	21,020
Rails .....	17,557	18,337	-	18,337
Wire rods .....	38,313	37,000	-	37,000
Structural shapes:				
Heavy, including piling .....	36,949	41,665	-	41,665
Bar-sized shapes .....	5,650	5,401	-	5,401
Concrete reinforcing bars .....	55,700	57,069	-	57,069
Other hot rolled bars:				
Flats .....	8,702	10,235	)	( 10,235
Other .....	47,382	44,804	) 7,087	( 37,717
Tie plates and track material:				
Angle bars .....	-	211	-	211
Tie plates .....	3,027	3,533	-	3,533
Track spikes .....	519	332	-	332
Plates (including plates for pipes and tubes) .....	87,674	85,280	-	85,280
Hot rolled sheets .....	158,971	170,126	95,734	74,392
Hot rolled strip .....	133,456	131,102	108,458	22,644
Total hot rolled products ...	647,194	656,234	241,398	414,836
<u>Cold rolled and coated:</u>				
Cold finished bars .....	6,172	6,255	-	6,255
Cold reduced sheets and strip, tin mill black plate and tin plate .....	215,691	218,298	98,257	120,041
Galvanized sheets .....	49,345	47,354	-	47,354
Total cold rolled and coated ..	271,208	271,907	98,257	173,650
Total carbon steel .....	918,402	928,141	339,655	588,486
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	343	343	343	-
For forging and piercing .....	4,636	4,636	-	4,636
Alloy plates .....	3,111	3,111	-	3,111
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	18,727	17,267	156	17,111
Cold finished bars .....	893	844	-	844
Wire rods .....	75	75	-	75
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	3,984	4,075	-	4,075
Total alloy steel .....	31,769	30,351	499	29,852

TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Nine Months Ended September 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	302,062	304,223	275,627	28,596
For forging and piercing .....	173,957	178,167	-	178,167
Rails .....	204,429	206,705	-	206,705
Wire rods .....	318,243	312,961	-	312,961
Structural shapes:				
Heavy, including piling .....	336,393	335,354	-	335,354
Bar-sized shapes .....	60,817	65,854	-	65,854
Concrete reinforcing bars .....	523,538	544,305	-	544,305
Other hot rolled bars:				
Flats .....	70,707	74,062	) 44,793	( 74,062
Other .....	350,729	337,943	)	( 293,150
Tie plates and track material:				
Angle bars .....	9,508	8,938	-	8,938
Tie plates .....	35,766	34,367	-	34,367
Track spikes .....	5,960	7,283	-	7,283
Plates (including plates for pipes and tubes) .....	703,555	695,278	-	695,278
Hot rolled sheets .....	1,588,719	1,616,287	911,839	704,448
Hot rolled strip .....	1,098,218	1,080,278	877,339	202,939
Total hot rolled products ...	5,782,601	5,802,005	2,109,598	3,692,407
<u>Cold rolled and coated:</u>				
Cold finished bars .....	54,479	54,681	-	54,681
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,904,813	1,951,869	833,993	1,117,876
Galvanized sheets .....	436,624	427,853	-	427,853
Total cold rolled and coated ..	2,395,916	2,434,403	833,993	1,600,410
Total carbon steel .....	8,178,517	8,236,408	2,943,591	5,292,817
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	6,663	6,663	6,663	-
For forging and piercing .....	49,570	49,570	-	49,570
Alloy plates .....	24,226	24,226	-	24,226
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	169,817	159,195	1,767	157,428
Cold finished bars .....	4,808	4,676	-	4,676
Wire rods .....	2,221	2,369	-	2,369
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	40,458	39,147	-	39,147
Total alloy steel .....	297,763	285,846	8,430	277,416

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, September 1966

SDI No.		September 1966		Nine months ended September 1966	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4	Wholesalers and warehouses .....	76,572	2,677	693,178	22,378
6	Automotive and aircraft industries ...	44,720	10,146	401,138	96,354
7	Agricultural .....	17,853	289	154,883	2,821
8a	Contractors - Building .....	36,644	22	372,852	73
b	Construction - Public and Utility .....	7,170	417	62,328	1,394
c	Structural steel fabricators .....	78,401	1,502	695,762	10,546
9	Containers .....	40,812	10	392,642	509
10	Machinery and tools .....	23,232	2,354	213,366	22,704
11	Wire, wire products and fasteners ...	44,170	703	368,040	12,014
12	Natural resources and extractive industries .....	12,825	2,211	107,373	23,568
13	Appliances and utensils .....	15,058	304	147,565	2,668
14	Other metal stamping and pressing ....	30,008	1,243	276,471	6,145
16	Railway operating .....	6,616	4	214,959	139
17	Railroad cars and locomotives .....	14,466	1,196	93,476	2,665
18	Shipbuilding .....	5,163	1	72,021	6,685
19	Pipes and tubes .....	74,427	1,877	565,022	27,873
20	Miscellaneous .....	1,194	46	15,311	381
	Total domestic shipments .....	529,331	25,002	4,846,387	238,917
5	Export:				
	United States .....	30,188	3,798	278,920	26,937
	Other countries .....	28,967	1,052	167,510	11,562
	Total Export .....	59,155	4,850	446,430	38,499
	Total net shipments .....	588,486	29,852	5,292,817	277,416

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, September 1966

SDI No.		Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4	Wholesalers and ware- houses .....	-	183	772	7,603	1,069	13,271	8,735
6	Automotive and air-craft industries .....	4,890	300	2	209	48	-	13,202
7	Agriculture .....	-	-	27	664	422	-	7,023
8a	Contractors - Building ...	-	2	344	612	102	6,936	219
b	Construction - Public and utility .....	-	-	-	-	-	5,565	215
c	Structural steel fabri- cators .....	117	59	143	25,858	2,114	21,047	7,036
9	Containers .....	-	-	-	128	-	-	-
10	Machinery and tools .....	572	-	155	1,183	529	10	2,890
11	Wire, wire products and fasteners .....	629	-	34,846	6	20	1,391	5,324
12	Natural resources and extractive industries ..	400	937	32	1,258	57	765	9,115
13	Appliances and utensils ..	-	-	18	3	90	-	81
14	Other metal stamping and pressing .....	341	46	66	57	600	6,868	4,059
16	Railway operating .....	5	3,183	-	178	99	15	958
17	Railroad cars and loco- motives .....	1,540	-	-	1,970	8	-	1,248
18	Shipbuilding .....	-	4	-	633	36	1	206
19	Pipes and tubes .....	15,583	-	99	-	-	-	130
20	Miscellaneous .....	-	-	23	43	41	104	279
	Total domestic shipments	24,077	4,714	36,527	40,405	5,235	55,973	60,720
5	Export:							
	United States .....	1,579	477	63	1,260	166	1,096	4,030
	Other countries .....	-	13,146	485	-	-	-	313
	Total export .....	1,579	13,623	548	1,260	166	1,096	4,343
	Total net shipments	25,656	18,337	37,075	41,665	5,401	57,069	65,063

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, September 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
71	11,900	10,195	271	2,709	13,673	8,797	79,249	4
13	527	17,102	2,162	1,660	12,823	1,928	54,866	6
-	1,826	4,373	198	1,173	1,323	1,113	18,142	7
20	346	3,080	172	5	3,284	21,544	36,666	8a
-	1,239	215	70	-	283	-	7,587	b
-	15,598	3,942	296	51	898	2,744	79,903	c
-	80	392	31	10	39,917	264	40,822	9
7	7,561	5,056	330	787	5,865	641	25,586	10
-	146	1,451	34	248	606	172	44,873	11
70	1,436	221	-	17	259	469	15,036	12
-	741	2,664	35	140	9,986	1,604	15,362	13
-	1,813	3,725	735	208	10,255	2,478	31,251	14
1,419	601	108	-	-	-	54	6,620	16
2	9,400	1,290	-	13	173	18	15,662	17
-	4,061	51	-	36	5	131	5,164	18
-	25,842	10,350	17,066	-	6,802	432	76,304	19
5	256	1	-	1	487	-	1,240	20
1,607	83,373	64,216	21,400	7,058	106,639	42,389	554,333	
								5
1	3,790	9,148	1,244	13	8,176	2,943	33,986	
2,468	1,228	1,028	-	28	9,301	2,022	30,019	
2,469	5,018	10,176	1,244	41	17,477	4,965	64,005	
4,076	88,391	74,392	22,644	7,099	124,116	47,354	618,338	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Nine Months Ended September 1966

September 1960								
SDI No.		Semi-finished shapes	Rails	Wire rods	Structural shapes		Concrete reinforcing bars	Other hot-rolled bars
					Heavy including piling	Bar-sized shapes		
net tons of 2,000 pounds								
4	Wholesalers and ware-houses .....	34	2,124	5,648	68,593	17,551	100,172	70,039
6	Automotive and air-craft industries .....	37,718	360	22	2,616	730	41	123,604
7	Agriculture .....	-	-	83	6,175	6,947	11	43,703
8a	Contractors - Building ...	2	181	1,005	4,157	1,654	90,485	3,985
b	Construction - Public and utility .....	-	537	-	3,623	118	46,231	2,063
c	Structural steel fabri-cators .....	874	766	1,008	190,888	24,688	225,858	39,120
9	Containers .....	-	-	104	128	-	-	34
10	Machinery and tools .....	3,743	808	3,238	10,116	3,315	396	29,653
11	Wire, wire products and fasteners .....	6,353	-	292,851	90	964	3,002	54,516
12	Natural resources and extractive industries ..	3,172	7,935	326	8,210	823	10,141	74,692
13	Appliances and utensils ..	64	-	33	518	422	5	812
14	Other metal stamping and pressing .....	2,157	684	2,174	1,572	5,270	57,069	30,367
16	Railway operating .....	30	157,143	38	2,725	717	100	4,826
17	Railroad cars and loco-motives .....	20,094	85	3	15,981	377	-	5,940
18	Shipbuilding .....	-	34	-	8,566	645	5	2,304
19	Pipes and tubes .....	139,539	-	1,738	223	59	662	431
20	Miscellaneous .....	2	-	1,051	591	818	3,014	3,299
Total domestic shipments		213,782	170,657	309,322	324,772	65,098	537,192	489,388
5	Export:							
	United States .....	26,105	8,275	868	10,316	756	6,720	28,066
	Other countries .....	16,446	27,773	5,140	266	-	393	7,186
	Total export .....	42,551	36,048	6,008	10,582	756	7,113	35,252
	Total net shipments	256,333	206,705	315,330	335,354	65,854	544,305	524,640

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Nine Months Ended September 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black-plate and tin plate(2)	Galvanized sheets	Total	SDI No.
746	111,717	115,503	2,945	20,874	117,785	81,825	715,556	4
18	6,036	157,766	20,805	14,828	117,659	15,289	497,492	6
-	13,444	48,659	1,208	9,412	15,574	12,488	157,704	7
235	5,814	26,892	1,029	141	28,773	208,572	372,925	8a
109	3,843	4,578	70	3	2,547	-	63,722	b
101	155,179	31,078	10,982	415	8,896	16,455	706,308	c
-	809	2,745	2,446	10	383,849	3,026	393,151	9
47	68,574	40,675	3,512	7,091	58,558	6,344	236,070	10
398	1,547	10,915	586	2,144	5,589	1,099	380,054	11
1,731	14,073	3,466	79	189	3,371	2,733	130,941	12
-	6,894	21,931	535	1,280	103,389	14,350	150,233	13
40	20,742	45,573	3,260	2,268	95,379	16,061	282,616	14
40,909	6,540	1,405	-	7	93	565	215,098	16
2	42,671	8,490	-	92	1,493	913	96,141	17
-	64,147	2,195	19	99	257	435	78,706	18
-	162,796	86,873	152,411	-	44,420	3,743	592,895	19
78	579	39	35	167	5,941	78	15,692	20
44,414	685,405	608,783	199,922	59,020	993,573	383,976	5,085,304	
								5
264	22,667	91,137	3,017	245	76,443	30,978	305,857	
5,910	11,432	4,528	-	92	87,007	12,899	179,072	
6,174	34,099	95,665	3,017	337	163,450	43,877	484,929	
50,588	719,504	704,448	202,939	59,357	1,157,023	427,853	5,570,233	



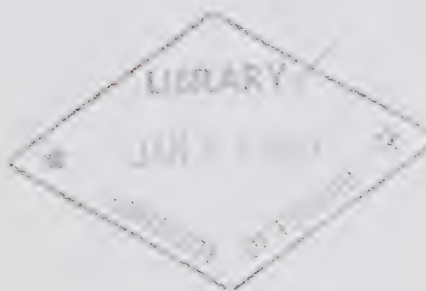
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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14	7,141,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24	7,643,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	October 1966	Ten months ended October 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	55,388	570,942
From foreign mines .....	64,879	924,119
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	359,511	3,498,313
From foreign mines .....	316,103	2,581,649
From own processing .....	148,460	1,521,907
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	22,297	212,412
Scrap iron and steel .....	9,938	91,741
Limestone .....	48,980	541,005
Dolomite .....	36,512	426,166
Coke .....	352,523	3,376,863

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, October

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	542,205	8,697	547,886	2,514
Foundry (including silvery pig)(2) .....	39,404	49,233	40,741	42,523
Malleable .....	32,307	39,365	51,735	32,353
Total pig iron .....	613,916	97,295	640,362	77,390
Ferro-alloys .....	14,353	12,896	17,525	16,009
Stocks of pig iron on hand at end of month ....	128,973		208,980	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Ten Months Ended October

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	5,246,811	80,022	5,437,491	56,812
Foundry (including silvery pig)(2) .....	401,294	383,901	388,374	334,577
Malleable .....	235,647	271,292	285,695	209,621
Total pig iron .....	5,883,752	735,215	6,111,560	601,010
Ferro-alloys .....	155,839	142,811	156,211	135,037

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	October		Ten months ended October	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	543,318	547,216	5,104,660	5,389,217
Scrap - Own make .....	287,573	249,938	2,563,456	2,530,916
Purchased .....	162,347	173,686	1,817,006	1,747,313
Total pig iron and scrap .....	993,238	970,840	9,485,122	9,667,446

TABLE 7. Production and Shipments of Steel Ingots and Castings, October

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	767,077	804	752,376	28,306
Electric .....	95,956	8,523	89,308	9,624
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	863,033	9,327	841,684	37,930
Continuous cast steel included in above .....	38,166 <sup>F</sup>	2,917	30,458	(3)
Alloy steel ingots included in above .....	68,087	1,618	67,491	1,436
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	-	-
Electric .....	13,439	13,233	16,887	15,391
Other .....	-	-	-	-
Total steel castings .....	13,439	13,233	16,887	15,391
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	501	452	389	343
High alloy, manganese and abrasion resistant	2,496	2,416	3,230	3,050
All other alloys .....	1,146	1,133	1,034	956
Total alloy castings .....	4,143	4,001	4,653	4,349

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings, Ten Months Ended October

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	7,313,531	137,008	7,401,646	108,902
Electric .....	922,604	95,520	979,888	112,541
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	8,236,135	232,528	8,381,534	221,443
Continuous cast steel included in above .....	269,632 <sup>r</sup>	16,257	376,543	(3)
Alloy steel ingots included in above .....	554,467	15,887	659,580	14,300
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	133,351	129,040	155,490	143,280
Other .....	(4)	(4)	-	-
Total steel castings .....	133,351	129,040	155,490	143,280
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	4,376	3,774	4,053	3,880
High alloy, manganese and abrasion resistant ..	22,731	22,471	27,936	27,140
All other alloys .....	10,234	9,617	9,373	9,588
Total alloy castings .....	37,341	35,862	41,362	40,608

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	October 1966		Ten months ended October 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	1,071	745	7,558	4,804
Automotive and aircraft industries .....	429	12	5,004	190
Agricultural (including implement and equipment manufacturers) .....	114	41	1,295	270
Construction (including public works, public utilities and structural steel fabricators) ...	68	166	1,327	2,193
Machinery and tools .....	1,513	687	18,134	6,651
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,346	1,486	11,696	15,335
Railway operating .....	4,322	393	37,237	5,696
Railroad cars and locomotives .....	1,970	431	17,551	1,669
Shipbuilding .....	22	31	573	231
Miscellaneous and unclassified .....	187	357	2,297	3,569
Total .....	11,042	4,349	102,672	40,608

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings, October

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	16,796	21,230	18,238	17,189
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	27,712	18,366
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	17,116	16,316
Totals .....	51,144	54,665	63,066	51,871

Steel pipe fittings:

Buttwelding fittings .....	101	149	164	142
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	575	580	565	495
Totals .....	676	729	729	637

(1) 1965 figures not available on comparable basis due to change in 1966 item identification.

(2) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings, Ten Months Ended October

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	217,955	212,287	208,029	208,206
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	254,158	237,999
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	170,587	161,865
Totals .....	643,410	628,196	632,774	608,070

Steel pipe fittings:

Buttwelding fittings .....	1,348	1,806	1,509	1,454
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	5,617	5,990	5,594	5,468
Totals .....	6,965	7,796	7,103	6,922

(1) 1965 figures not available on comparable basis due to change in 1966 item identification.

(2) Included with "Other".

TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, October 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	23,260	23,592	19,103	4,489
For forging and piercing .....	15,902	19,173	-	19,173
Rails .....	21,234	12,582	-	12,582
Wire rods .....	43,190	41,639	-	41,639
Structural shapes:				
Heavy, including piling .....	42,326	35,075	-	35,075
Bar-sized shapes .....	6,916	6,821	-	6,821
Concrete reinforcing bars .....	50,310	47,968	-	47,968
Other hot rolled bars:				
Flats .....	7,759	7,136	) 5,372	( 7,136
Other ....	31,176	32,742	)	( 27,370
Tie plates and track material:				
Angle bars .....	-	106	-	106
Tie plates .....	2,381	2,621	-	2,621
Track spikes .....	334	181	-	181
Plates (including plates for pipes and tubes) .....	74,588	81,046	-	81,046
Hot rolled sheets .....	149,263	155,935	90,528	65,407
Hot rolled strip .....	124,587	120,587	100,528	20,059
Total hot rolled products ...	593,226	587,204	215,531	371,673
<u>Cold rolled and coated:</u>				
Cold finished bars .....	6,084	5,986	-	5,986
Cold reduced sheets and strip, tin mill black plate and tin plate .....	215,959	173,192	81,458	91,734
Galvanized sheets .....	42,572	41,988	-	41,988
Total cold rolled and coated ..	264,615	221,166	81,458	139,708
Total carbon steel .....	857,841	808,370	296,989	511,381
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	2,877	2,877	2,877	-
For forging and piercing .....	6,769	6,769	-	6,769
Alloy plates .....	778	778	-	778
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	18,060	16,038	223	15,815
Cold finished bars .....	778	767	-	767
Wire rods .....	263	273	-	273
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,075	3,910	-	3,910
Total alloy steel .....	33,600	31,412	3,100	28,312

TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Ten Months Ended October 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	325,322	327,815	294,730	33,085
For forging and piercing .....	189,859	197,340	-	197,340
Rails .....	225,663	219,287	-	219,287
Wire rods .....	361,433	354,600	-	354,600
Structural shapes:				
Heavy, including piling .....	378,719	370,429	-	370,429
Bar-sized shapes .....	67,733	72,675	-	72,675
Concrete reinforcing bars .....	573,848	592,273	-	592,273
Other hot rolled bars:				
Flats .....	78,466	81,198	) 50,165	( 81,198
Other .....	381,905	370,685	)	( 320,520
Tie plates and track material:				
Angle bars .....	9,508	9,044	-	9,044
Tie plates .....	38,147	36,988	-	36,988
Track spikes .....	6,294	7,464	-	7,464
Plates (including plates for pipes and tubes) .....	778,143	776,324	-	776,324
Hot rolled sheets .....	1,737,982	1,772,222	1,002,367	769,855
Hot rolled strip .....	1,222,805	1,200,865	977,867	222,998
Total hot rolled products ...	6,375,827	6,389,209	2,325,129	4,064,080
<u>Cold rolled and coated:</u>				
Cold finished bars .....	60,563	60,667	-	60,667
Cold reduced sheets and strip, tin mill black plate and tin plate .....	2,120,772	2,125,061	915,451	1,209,610
Galvanized sheets .....	479,196	469,841	-	469,841
Total cold rolled and coated ..	2,660,531	2,655,569	915,451	1,740,118
Total carbon steel .....	9,036,358	9,044,778	3,240,580	5,804,198
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	9,540	9,540	9,540	-
For forging and piercing .....	56,339	56,339	-	56,339
Alloy plates .....	25,004	25,004	-	25,004
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	187,877	175,233	1,990	173,243
Cold finished bars .....	5,586	5,443	-	5,443
Wire rods .....	2,484	2,642	-	2,642
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	44,533	43,057	-	43,057
Total alloy steel .....	331,363	317,258	11,530	305,728

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, October 1966

SDI No.		October 1966		Ten months ended October 1966	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4	Wholesalers and warehouses .....	72,704	2,483	765,882	24,861
6	Automotive and aircraft industries ...	38,613	7,676	439,751	104,030
7	Agricultural .....	18,107	376	172,990	3,197
8a	Contractors - Building .....	33,264	12	406,116	85
b	Construction - Public and Utility .....	4,066	1	66,394	1,395
c	Structural steel fabricators .....	65,054	521	760,816	11,067
9	Containers .....	18,679	4	411,321	513
10	Machinery and tools .....	18,525	2,299	231,891	25,003
11	Wire, wire products and fasteners ...	47,327	1,311	415,367	13,325
12	Natural resources and extractive industries .....	12,361	2,333	119,734	25,901
13	Appliances and utensils .....	11,337	684	158,902	3,352
14	Other metal stamping and pressing ....	30,271	575	306,742	6,720
16	Railway operating .....	3,193	-	218,152	139
17	Railroad cars and locomotives .....	11,470	158	104,946	2,823
18	Shipbuilding .....	7,702	99	79,723	6,784
19	Pipes and tubes .....	65,095	4,741	630,117	32,614
20	Miscellaneous .....	1,550	33	16,861	414
	Total domestic shipments .....	459,318	23,306	5,305,705	262,223
5	Export:				
	United States .....	24,083	3,723	303,003	30,660
	Other countries .....	27,980	1,283	195,490	12,845
	Total Export .....	52,063	5,006	498,493	43,505
	Total net shipments .....	511,381	28,312	5,804,198	305,728

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, October 1966

SDI No.		Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4	Wholesalers and ware- houses .....	23	265	740	7,913	1,331	11,632	7,558
6	Automotive and air-craft industries .....	3,245	-	3	370	96	-	9,891
7	Agriculture .....	-	-	29	528	1,945	-	5,151
8a	Contractors - Building ...	-	8	134	523	59	5,967	244
b	Construction - Public and utility .....	-	-	-	289	12	2,583	505
c	Structural steel fabri- cators .....	116	132	-	20,329	2,230	16,701	4,471
9	Containers .....	-	-	28	-	-	-	-
10	Machinery and tools .....	447	19	156	589	254	10	2,639
11	Wire, wire products and fasteners .....	1,227	-	40,086	9	102	152	4,609
12	Natural resources and extractive industries ..	387	1,872	114	426	116	1,647	7,476
13	Appliances and utensils ..	-	-	11	21	-	-	631
14	Other metal stamping and pressing .....	335	91	186	162	429	7,832	1,497
16	Railway operating .....	35	1,177	-	128	28	16	507
17	Railroad cars and loco- motives .....	2,627	-	-	1,291	61	-	278
18	Shipbuilding .....	-	13	-	502	27	-	179
19	Pipes and tubes .....	16,197	-	-	-	-	-	13
20	Miscellaneous .....	-	-	-	8	12	263	297
	Total domestic shipments	24,639	3,577	41,487	33,088	6,702	46,803	45,946
5	Export:							
	United States .....	1,303	217	91	1,987	119	1,165	3,791
	Other countries .....	4,489	8,788	334	-	-	-	584
	Total export .....	5,792	9,005	425	1,987	119	1,165	4,375
	Total net shipments	30,431	12,582	41,912	35,075	6,821	47,968	50,321

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, October 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
102	11,276	12,258	165	2,339	10,640	8,945	75,187	4
-	536	15,635	2,214	1,695	11,408	1,196	46,289	6
-	1,286	4,724	199	1,179	1,757	1,685	18,483	7
10	842	2,682	79	44	3,268	19,416	33,276	8a
190	83	203	-	1	201	-	4,067	b
3	14,819	3,280	522	94	543	2,335	65,575	c
-	60	292	136	-	18,082	85	18,683	9
1	5,730	2,826	532	722	6,361	538	20,824	10
5	66	1,430	50	225	583	94	48,638	11
264	1,577	250	-	18	254	293	14,694	12
-	258	1,324	26	184	8,504	1,062	12,021	13
2	3,128	3,600	938	230	10,430	1,986	30,846	14
70	1,157	33	-	-	-	42	3,193	16
-	5,473	1,658	-	4	236	-	11,628	17
-	6,747	259	-	-	-	74	7,801	18
-	26,265	8,083	14,964	-	3,909	405	69,836	19
-	216	-	-	2	601	184	1,583	20
647	79,519	58,537	19,825	6,737	76,777	38,340	482,624	
								5
4	1,858	6,317	234	2	8,957	1,761	27,806	
2,257	447	553	-	14	9,910	1,887	29,263	
2,261	2,305	6,870	234	16	18,867	3,648	57,069	
2,908	81,824	65,407	20,059	6,753	95,644	41,988	539,693	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Ten Months Ended October 1966

October 1936

SDI No.		Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4	Wholesalers and ware- houses .....	57	2,389	6,388	76,506	18,882	111,804	77,597
6	Automotive and air-craft industries .....	40,963	360	25	2,986	826	41	133,495
7	Agriculture .....	-	-	112	6,703	8,892	11	48,854
8a	Contractors - Building ...	2	189	1,139	4,680	1,713	96,452	4,229
b	Construction - Public and utility .....	-	537	-	3,912	130	48,814	2,568
c	Structural steel fabri- cators .....	990	898	1,008	211,217	26,918	242,559	43,591
9	Containers .....	-	-	132	128	-	-	34
10	Machinery and tools .....	4,190	827	3,394	10,705	3,569	406	32,292
11	Wire, wire products and fasteners .....	7,580	-	332,937	99	1,066	3,154	59,125
12	Natural resources and extractive industries ..	3,559	9,807	440	8,636	939	11,788	82,168
13	Appliances and utensils ..	64	-	44	539	422	5	1,443
14	Other metal stamping and pressing .....	2,492	775	2,360	1,734	5,699	64,901	31,864
16	Railway operating .....	65	158,320	38	2,853	745	116	5,333
17	Railroad cars and loco- motives .....	22,721	85	3	17,272	438	-	6,218
18	Shipbuilding .....	-	47	-	9,068	672	5	2,483
19	Pipes and tubes .....	155,736	-	1,738	223	59	662	444
20	Miscellaneous .....	2	-	1,051	599	830	3,277	3,596
	Total domestic shipments	238,421	174,234	350,809	357,860	71,800	583,995	535,334
5	Export:							
	United States .....	27,408	8,492	959	12,303	875	7,885	31,857
	Other countries .....	20,935	36,561	5,474	266	-	393	7,770
	Total export .....	48,343	45,053	6,433	12,569	875	8,278	39,627
	Total net shipments	286,764	219,287	357,242	370,429	72,675	592,273	574,961

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Ten Months Ended October 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black-plate and tin plate(2)	Galvanized sheets	Total	SDI No.
848	122,993	127,761	3,110	23,213	128,425	90,770	790,743	4
18	6,572	173,401	23,019	16,523	129,067	16,485	543,781	6
-	14,730	53,383	1,407	10,591	17,331	14,173	176,187	7
245	6,656	29,574	1,108	185	32,041	227,988	406,201	8a
299	3,926	4,781	70	4	2,748	-	67,789	b
104	169,998	34,358	11,504	509	9,439	18,790	771,883	c
-	869	3,037	2,582	10	401,931	3,111	411,834	9
48	74,304	43,501	4,044	7,813	64,919	6,882	256,894	10
403	1,613	12,345	636	2,369	6,172	1,193	428,692	11
1,995	15,650	3,716	79	207	3,625	3,026	145,635	12
-	7,152	23,255	561	1,464	111,893	15,412	162,254	13
42	23,870	49,173	4,198	2,498	105,809	18,047	313,462	14
40,979	7,697	1,438	-	7	93	607	218,291	16
2	48,144	10,148	-	96	1,729	913	107,769	17
-	70,894	2,454	19	99	257	509	86,507	18
-	189,061	94,956	167,375	-	48,329	4,148	662,731	19
78	795	39	35	169	6,542	262	17,275	20
45,061	764,924	667,320	219,747	65,757	1,070,350	422,316	5,567,928	
								5
268	24,525	97,454	3,251	247	85,400	32,739	333,663	
8,167	11,879	5,081	-	106	96,917	14,786	208,335	
8,435	36,404	102,535	3,251	353	182,317	47,525	541,998	
53,496	801,328	769,855	222,998	66,110	1,252,667	469,841	6,109,926	





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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14	7,141,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24	7,643,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	November 1966	Eleven months ended November 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	34,484	605,426
From foreign mines .....	100,290	1,024,409
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	388,763	3,887,076
From foreign mines .....	227,999	2,809,648
From own processing .....	149,701	1,671,608
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	21,297	233,709
Scrap iron and steel .....	5,007	96,748
Limestone .....	50,173	591,178
Dolomite .....	32,530	458,696
Coke .....	333,085	3,709,948

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, November

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	533,015	9,279	510,703	1,768
Foundry (including silvery pig)(2) .....	39,109	59,901	36,749	44,839
Malleable .....	20,410	26,152	50,082	41,186
Total pig iron .....	592,534	95,332	597,534	87,793
Ferro-alloys .....	12,470	15,464	17,560	15,333
Stocks of pig iron on hand at end of month ....	107,525		211,071	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Eleven Months Ended November

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	5,779,826	89,301	5,948,194	58,580
Foundry (including silvery pig)(2) .....	440,403	443,802	425,123	379,416
Malleable .....	256,057	297,444	335,777	250,807
Total pig iron .....	6,476,286	830,547	6,709,094	688,803
Ferro-alloys .....	168,309	158,275	173,771	150,370

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	November		Eleven months ended November	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	525,712	511,631	5,630,372	5,900,848
Scrap - Own make .....	285,044	246,116	2,848,500	2,777,032
Purchased .....	151,920	157,271	1,968,926	1,904,584
Total pig iron and scrap .....	962,676	915,018	10,447,798	10,582,464

TABLE 7. Production and Shipments of Steel Ingots and Castings, November

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	726,965	1,990	688,759	20,260
Electric .....	98,115	8,836	95,726	9,436
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	825,080	10,826	784,485	29,696
Continuous cast steel included in above .....	39,788 <sup>r</sup>	4,274	33,822	(3)
Alloy steel ingots included in above .....	70,110	1,570	55,649	1,569
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	-	-
Electric .....	15,018	14,710	17,275	15,945
Other .....	-	-	-	-
Total steel castings .....	15,018	14,710	17,275	15,945
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	424	408	478	457
High alloy, manganese and abrasion resistant .....	2,744	2,558	2,897	3,096
All other alloys .....	1,143	1,071	959	921
Total alloy castings .....	4,311	4,037	4,334	4,474

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.  
Note; High alloy castings include all castings with an alloy content of 8% and over.



TABLE 8. Production and Shipments of Steel Ingots and Castings, Eleven Months Ended November

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	8,040,496	138,998	8,090,405	129,162
Electric .....	1,020,719	104,356	1,075,614	121,977
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	9,061,215	243,354	9,166,019	251,139
Continuous cast steel included in above .....	309,420 <sup>r</sup>	20,531	410,365	(3)
Alloy steel ingots included in above .....	624,577	17,457	715,229	15,869
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	148,369	143,750	172,765	159,225
Other .....	(4)	(4)	-	-
Total steel castings .....	148,369	143,750	172,765	159,225
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	4,800	4,182	4,531	4,337
High alloy, manganese and abrasion resistant ..	25,475	25,029	30,833	30,236
All other alloys .....	11,377	10,688	10,332	10,509
Total alloy castings .....	41,652	39,899	45,696	45,082

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential. (4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	November 1966		Eleven months ended November 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	813	861	8,371	5,665
Automotive and aircraft industries .....	440	9	5,444	199
Agricultural (including implement and equipment manufacturers) .....	194	29	1,489	299
Construction (including public works, public utilities and structural steel fabricators) ...	69	149	1,396	2,342
Machinery and tools .....	2,330	750	20,464	7,401
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	974	1,418	12,670	16,753
Railway operating .....	4,840	588	42,077	6,284
Railroad cars and locomotives .....	1,552	220	19,103	1,889
Shipbuilding .....	36	37	609	268
Miscellaneous and unclassified .....	223	413	2,520	3,982
Total .....	11,471	4,474	114,143	45,082

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1965</u>					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings, November

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	20,703	24,811	16,161	20,994
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	22,926	24,637
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	18,712	17,747
Totals .....	62,298	68,963	57,799	63,378

Steel pipe fittings:

Buttwelding fittings .....	188	176	189	192
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	660	629	602	587
Totals .....	848	805	791	779

(1) 1965 figures not available on comparable basis due to change in item identification.  
(2) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings, Eleven Months Ended November

	1965		1966	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	238,658	237,098	224,190	229,200
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	277,084	262,636
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	189,299	179,612
Totals .....	705,708	697,159	690,573	671,448
<u>Steel pipe fittings:</u>				
Buttwelding fittings .....	1,536	1,982	1,698	1,646
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	6,277	6,619	6,196	6,055
Totals .....	7,813	8,601	7,894	7,701

(1) 1965 figures not available on comparable basis due to change in item identification.  
(2) Included with "Other".



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, November 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
	net tons of 2,000 pounds			
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	19,415	16,973	16,973	-
For forging and piercing .....	18,534	15,201	-	15,201
Rails .....	28,183	35,238	-	35,238
Wire rods .....	39,474	39,747	-	39,747
Structural shapes:				
Heavy, including piling .....	30,799	33,358	-	33,358
Bar-sized shapes .....	3,923	5,149	-	5,149
Concrete reinforcing bars .....	35,808	34,978	-	34,978
Other hot rolled bars:				
Flats .....	10,032	9,612	) 4,999	( 9,612
Other .....	48,087	34,708	)	( 29,709
Tie plates and track material:				
Angle bars .....	-	38	-	38
Tie plates .....	2,373	3,132	-	3,132
Track spikes .....	1,184	1,028	-	1,028
Plates (including plates for pipes and tubes) .....	64,622	69,105	-	69,105
Hot rolled sheets .....	142,883	139,571	67,964	71,607
Hot rolled strip .....	125,468	123,720	106,076	17,644
Total hot rolled products ...	570,785	561,558	196,012	365,546
<u>Cold rolled and coated:</u>				
Cold finished bars .....	6,088	6,284	-	6,284
Cold reduced sheets and strip, tin mill black plate and tin plate .....	187,597	183,661	81,850	101,811
Galvanized sheets .....	43,893	42,229	-	42,229
Total cold rolled and coated ..	237,578	232,174	81,850	150,324
Total carbon steel .....	808,363	793,732	277,862	515,870
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	589	589	589	-
For forging and piercing .....	4,743	4,743	-	4,743
Alloy plates .....	576	576	-	576
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	19,686	22,065	162	21,903
Cold finished bars .....	761	718	-	718
Wire rods .....	406	406	-	406
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,670	5,579	-	5,579
Total alloy steel .....	32,431	34,676	751	33,925

TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Eleven Months Ended November 1966

	Production(1)	Total of all shipments (1)	Shipments for further processing (1)	Net shipments (1)
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	344,737	344,788	311,703	33,085
For forging and piercing .....	208,393	212,541	-	212,541
Rails .....	253,846	254,525	-	254,525
Wire rods .....	400,907	394,347	-	394,347
Structural shapes:				
Heavy, including piling .....	410,579	404,413	-	404,413
Bar-sized shapes .....	72,969	79,870	-	79,870
Concrete reinforcing bars .....	609,656	627,449	-	627,449
Other hot rolled bars:				
Flats .....	88,498	91,121	)	( 91,121
Other .....	430,472	405,966	) 55,165	( 350,801
Tie plates and track material:				
Angle bars .....	9,508	9,082	-	9,082
Tie plates .....	40,520	40,120	-	40,120
Track spikes .....	7,516	8,550	-	8,550
Plates (including plates for pipes and tubes) .....	842,765	845,429	-	845,429
Hot rolled sheets .....	1,880,865	1,911,793	1,070,331	841,462
Hot rolled strip .....	1,348,273	1,324,585	1,083,943	240,642
Total hot rolled products ...	6,949,504	6,954,579	2,521,142	4,433,437
<u>Cold rolled and coated:</u>				
Cold finished bars .....	66,651	66,951	-	66,951
Cold reduced sheets and strip, tin mill black plate and tin plate .....	2,308,369	2,308,722	997,301	1,311,421
Galvanized sheets .....	523,089	512,070	-	512,070
Total cold rolled and coated ..	2,898,109	2,887,743	997,301	1,890,442
Total carbon steel .....	9,847,613	9,842,322	3,518,443	6,323,879
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	10,129	10,129	10,129	-
For forging and piercing .....	61,082	61,082	-	61,082
Alloy plates .....	25,580	25,580	-	25,580
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	207,563	197,298	2,152	195,146
Cold finished bars .....	6,347	6,161	-	6,161
Wire rods .....	2,890	3,048	-	3,048
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	50,203	48,636	-	48,636
Total alloy steel .....	363,794	351,934	12,281	339,653

(1) Includes revisions for October.



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, November 1966

SDI No.		November 1966		Eleven months ended November 1966	
		Carbon	Alloy	Carbon(2)	Alloy
		net tons of 2,000 pounds			
4	Wholesalers and warehouses .....	73,091	3,298	840,042	28,159
6	Automotive and aircraft industries ...	40,723	7,817	480,400	111,847
7	Agricultural .....	21,866	355	194,974	3,552
8a	Contractors - Building .....	30,587	9	436,733	94
b	Construction - Public and Utility .....	4,658	3	71,052	1,398
c	Structural steel fabricators .....	51,980	588	813,888	11,655
9	Containers .....	29,047	3	440,368	516
10	Machinery and tools .....	20,107	2,746	252,760	27,749
11	Wire, wire products and fasteners ...	46,029	1,600	461,431	14,925
12	Natural resources and extractive industries .....	9,114	8,050	128,856	33,951
13	Appliances and utensils .....	11,217	188	170,180	3,540
14	Other metal stamping and pressing ....	22,736	1,044	329,743	7,764
16	Railway operating .....	17,295	-	235,546	139
17	Railroad cars and locomotives .....	9,631	152	114,800	2,975
18	Shipbuilding .....	6,724	17	86,548	6,801
19	Pipes and tubes .....	54,630	3,056	684,747	35,670
20	Miscellaneous .....	936	81	17,819	495
	Total domestic shipments .....	450,371	29,007	5,759,887	291,230
5	Export:				
	United States .....	23,855	3,097	326,858	33,757
	Other countries .....	41,644	1,821	237,134	14,666
	Total Export .....	65,499	4,918	563,992	48,423
	Total net shipments .....	515,870	33,925	6,323,879	339,653

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes revisions for October.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, November 1966

SDI No.		Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4	Wholesalers and ware- houses .....	-	357	251	9,302	1,425	7,773	7,784
6	Automotive and air-craft industries .....	2,036	51	-	155	54	-	9,996
7	Agriculture .....	-	-	5	914	1,416	-	6,809
8a	Contractors - Building ...	-	-	9	540	103	4,830	865
b	Construction - Public and utility .....	1	-	-	520	412	2,968	123
c	Structural steel fabri- cators .....	208	116	81	15,996	1,100	12,391	5,632
9	Containers .....	-	-	1	27	-	-	208
10	Machinery and tools .....	263	8	200	798	132	10	2,936
11	Wire, wire products and fasteners .....	617	-	38,438	43	22	78	5,651
12	Natural resources and extractive industries ..	202	357	1	506	115	658	13,372
13	Appliances and utensils ..	-	-	-	183	-	-	122
14	Other metal stamping and pressing .....	234	32	36	97	143	5,250	2,115
16	Railway operating .....	-	14,851	-	111	32	17	518
17	Railroad cars and loco- motives .....	2,294	-	-	1,543	76	-	417
18	Shipbuilding .....	-	23	-	860	15	-	183
19	Pipes and tubes .....	12,600	-	97	-	-	-	2
20	Miscellaneous .....	12	-	-	12	45	175	148
	Total domestic shipments	18,467	15,795	39,119	31,607	5,090	34,150	56,881
5	Export:							
	United States .....	1,477	413	-	1,751	59	621	3,985
	Other countries .....	-	19,030	1,034	-	-	207	358
	Total export .....	1,477	19,443	1,034	1,751	59	828	4,343
	Total net shipments	19,944	35,238	40,153	33,358	5,149	34,978	61,224

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, November 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
72	11,092	14,783	327	2,332	11,788	9,103	76,389	4
3	171	17,615	2,326	1,670	12,923	1,540	48,540	6
-	2,125	7,005	390	1,361	1,796	400	22,221	7
4	487	3,246	114	19	2,860	17,519	30,596	8a
-	-	116	259	1	261	-	4,661	b
6	12,310	2,035	506	38	308	1,841	52,568	c
-	-	382	85	10	28,144	193	29,050	9
1	7,156	3,608	664	744	5,435	898	22,853	10
-	271	1,621	62	300	426	100	47,629	11
28	982	286	-	30	264	363	17,164	12
-	279	1,227	45	161	8,011	1,377	11,405	13
-	1,024	3,196	397	312	9,340	1,604	23,780	14
1,171	163	312	-	-	55	65	17,295	16
-	5,161	194	-	-	98	-	9,783	17
1	5,308	189	-	-	25	137	6,741	18
-	20,005	8,169	12,395	-	4,020	398	57,686	19
-	-	21	-	7	597	-	1,017	20
1,286	66,534	64,005	17,570	6,985	86,351	35,538	479,378	
10	2,321	5,071	74	-	9,013	2,157	26,952	5
2,902	826	2,531	-	17	12,026	4,534	43,465	
2,912	3,147	7,602	74	17	21,039	6,691	70,417	
4,198	69,681	71,607	17,644	7,002	107,390	42,229	549,795	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Eleven Months Ended November 1966

November 1966

SDI No.		Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars (3)	Other hot rolled bars (3)
					Heavy including piling (3)	Bar- sized shapes (3)		
					net tons of 2,000 pounds			
4	Wholesalers and ware- houses .....	57	2,746	6,639	85,954	20,582	119,577	86,029
6	Automotive and air-craft industries .....	42,999	411	25	3,154	881	41	143,403
7	Agriculture .....	-	-	117	7,620	10,414	11	55,672
8a	Contractors - Building ...	2	189	1,148	5,220	1,816	101,312	5,094
b	Construction - Public and utility .....	1	537	-	4,432	542	51,782	2,691
c	Structural steel fabri- cators .....	1,198	1,014	1,089	227,370	28,643	255,118	49,365
9	Containers .....	-	-	133	155	-	-	242
10	Machinery and tools .....	4,453	835	3,594	11,561	4,344	416	35,289
11	Wire, wire products and fasteners .....	8,197	-	371,375	142	1,123	3,232	64,776
12	Natural resources and extractive industries ..	3,761	10,164	441	9,142	1,054	12,446	95,540
13	Appliances and utensils ..	64	-	44	728	477	5	1,565
14	Other metal stamping and pressing .....	2,726	807	2,396	1,831	6,063	70,151	34,023
16	Railway operating .....	65	173,171	38	2,964	826	133	5,851
17	Railroad cars and loco- motives .....	25,015	85	3	18,991	547	-	6,649
18	Shipbuilding .....	-	70	-	9,995	690	5	2,697
19	Pipes and tubes .....	168,336	-	1,835	223	59	662	446
20	Miscellaneous .....	14	-	1,051	611	875	3,452	3,766
	Total domestic shipments	256,888	190,029	389,928	390,093	78,936	618,343	593,098
5	Export:							
	United States .....	28,885	8,905	959	14,054	934	8,506	35,842
	Other countries .....	20,935	55,591	6,508	266	-	600	8,128
	Total export .....	49,820	64,496	7,467	14,320	934	9,106	43,970
	Total net shipments	306,708	254,525	397,395	404,413	79,870	627,449	637,068

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.  
(3) Includes revisions for October.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Eleven Months Ended November 1966

Tie plates and track material(3)	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total (3)	SDI No.
920	134,085	142,544	3,437	25,545	140,213	99,873	868,201	4
21	6,743	191,016	25,345	18,193	141,990	18,025	592,247	6
-	16,855	60,388	1,797	11,952	19,127	14,573	198,526	7
249	7,143	32,820	1,222	204	34,901	245,507	436,827	8a
299	3,926	4,897	329	5	3,009	-	72,450	b
110	182,308	36,393	12,010	547	9,747	20,631	825,543	c
-	869	3,419	2,667	20	430,075	3,304	440,884	9
49	81,460	47,109	4,708	8,557	70,354	7,780	280,509	10
403	1,884	13,966	698	2,669	6,598	1,293	476,356	11
2,031	16,632	4,002	79	237	3,889	3,389	162,807	12
-	7,431	24,482	606	1,625	119,904	16,789	173,720	13
42	24,894	52,369	4,595	2,810	115,149	19,651	337,507	14
42,200	7,860	1,750	-	7	148	672	235,685	16
2	53,305	10,342	-	96	1,827	913	117,775	17
1	76,202	2,643	19	99	282	646	93,349	18
-	209,066	103,125	179,770	-	52,349	4,546	720,417	19
78	795	60	35	176	7,139	262	18,314	20
46,405	831,458	731,325	237,317	72,742	1,156,701	457,854	6,051,117	
278	26,846	102,525	3,325	247	94,413	34,896	360,615	5
11,069	12,705	7,612	-	123	108,943	19,320	251,800	
11,347	39,551	110,137	3,325	370	203,356	54,216	612,415	
57,752	871,009	841,462	240,642	73,112	1,360,057	512,070	6,663,532	





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TABLE 1. Pig Iron Capacity, January 1, 1966

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual Capacity	Furnaces	Annual Capacity
	No.	net tons	No.	net tons
Blast furnaces .....	14	7,141,000	-	-
Electric furnaces .....	10	502,000	-	-
Totals .....	24	7,643,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	December 1966	Twelve months ended December 1966
	net tons of 2,000 pounds	
<u>Crude iron ore:</u>		
From Canadian mines .....	20,589	626,015
From foreign mines .....	51,795	1,076,204
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.):</u>		
From Canadian mines .....	364,146	4,251,222
From foreign mines .....	180,005	2,989,653
From own processing .....	107,498	1,779,106
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	22,129	255,838
Scrap iron and steel .....	6,777	103,525
Limestone .....	41,019	632,197
Dolomite .....	23,896	482,592
Coke .....	267,113	3,977,061

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys, December

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	530,928	9,515	417,064	580
Foundry (including silvery pig)(2) .....	38,874	40,390	42,510	33,286
Malleable .....	18,792	24,742	43,875	16,932
Total pig iron .....	588,594	74,647	503,449	50,798
Ferro-alloys .....	13,253	13,677	14,103	12,665
Stocks of pig iron on hand at end of month ....	102,360		237,358	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys, Twelve Months Ended December

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron:</u>				
Basic .....	6,310,754	98,816	6,365,258	59,160
Foundry (including silvery pig)(2) .....	479,277	484,192	467,633	412,702
Malleable .....	274,849	322,186	379,652	267,739
Total pig iron .....	7,064,880	905,194	7,212,543	739,601
Ferro-alloys .....	181,562	171,952	187,874	163,035

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity at First of January 1966

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,270,000
Electric .....	1,434,650
Oxygen .....	3,550,000
Total ingots .....	11,254,650
Steel castings .....	543,120
Total ingots and castings .....	11,797,770



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	December		Twelve months ended December	
	1965	1966	1965	1966
	net tons of 2,000 pounds			
Pig iron .....	515,291	420,121	6,145,663	6,320,969
Scrap - Own make .....	250,818	187,676	3,099,318	2,964,708
Purchased .....	168,336	144,064	2,137,262	2,048,648
Total pig iron and scrap .....	934,445	751,861	11,382,243	11,334,325

TABLE 7. Production and Shipments of Steel Ingots and Castings December

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	706,111	378	565,432	12,809
Electric .....	98,272	7,761	82,614	8,633
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	804,383	8,139	648,046	21,442
Continuous cast steel included in above .....	38,017 <sup>r</sup>	3,946	32,315	(3)
Alloy steel ingots included in above .....	69,877	1,647	47,380	1,474
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	-	-	(4)	-
Electric .....	14,932	14,185	16,038	15,179
Other .....	-	-	-	-
Total steel castings .....	14,932	14,185	16,038	15,179
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	439	440	309	354
High alloy, manganese and abrasion resistant	2,769	2,735	3,116	3,053
All other alloys .....	1,144	1,067	876	744
Total alloy castings .....	4,352	4,242	4,301	4,151

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential.

(4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings Twelve Months Ended December

	1965		1966	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel):</u>				
Basic open hearth .....	8,746,607	139,376	8,655,837	141,971
Electric .....	1,118,991	112,117	1,158,228	130,610
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	9,865,598	251,493	9,814,065	272,581
Continuous cast steel included in above .....	347,437 <sup>r</sup>	24,477	442,680	(3)
Alloy steel ingots included in above .....	694,454	19,104	762,609	17,343
<u>Steel castings (both carbon and alloy):</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	163,301	157,935	188,803	174,404
Other .....	(4)	(4)	-	-
Total steel castings .....	163,301	157,935	188,803	174,404
<u>Alloy steel castings included in above:</u>				
High alloy, except manganese and abrasion resistant .....	5,239	4,622	4,840	4,691
High alloy, manganese and abrasion resistant ..	28,244	27,764	33,949	33,289
All other alloys .....	12,521	11,755	11,208	11,253
Total alloy castings .....	46,004	44,141	49,997	49,233

(1) Includes amounts for sale and for own use. (2) Included with "Basis open hearth". (3) Confidential  
(4) Included with "Electric". <sup>r</sup> Revised figure.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	December 1966		Twelve months ended December 1966	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Export .....	1,439	591	9,810	6,256
Automotive and aircraft industries .....	463	19	5,907	218
Agricultural (including implement and equipment manufacturers) .....	186	31	1,675	330
Construction (including public works, public utilities and structural steel fabricators) ...	129	184	1,525	2,526
Machinery and tools .....	2,172	585	22,636	7,986
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	543	1,546	13,213	18,299
Railway operating .....	3,787	546	45,864	6,830
Railroad cars and locomotives .....	1,945	289	21,048	2,178
Shipbuilding .....	35	28	644	296
Miscellaneous and unclassified .....	329	332	2,849	4,314
Total .....	11,028	4,151	125,171	49,233

(1)-(a) Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

(b) Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
net tons of 2,000 pounds					
1965					
January .....	601,676	15,665	818,473	12,697	831,170
February .....	513,619	13,812	728,054	14,083	742,137
March .....	542,739	16,209	821,743	15,478	837,221
April .....	536,677	15,903	784,803	14,844	799,647
May .....	637,149	16,956	880,115	14,228	894,343
June .....	592,630	14,991	830,734	13,626	844,360
July .....	624,997	14,271	834,980	10,289	845,269
August .....	634,605	16,515	863,344	11,774	875,118
September .....	585,744	17,164	810,856	12,893	823,749
October .....	613,916	14,353	863,033	13,439	876,472
November .....	592,534	12,470	825,080	15,018	840,098
December .....	588,594	13,253	804,383	14,932	819,315
Totals .....	7,064,880	181,562	9,865,598	163,301	10,028,899
1966					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868

TABLE 11. Production and Shipments of Steel Pipes, Tubes and Fittings December

	1965		1966	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	16,854	20,801	17,882	17,497
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	16,595	26,625
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	15,529	16,523
Totals .....	69,341	73,004	50,006	60,645

Steel pipe fittings:

Buttwelding fittings .....	281	231	101	115
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	552	705	422	444
Totals .....	833	936	523	559

(1) 1965 figures not available on comparable basis due to change in item identification.

(2) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipes, Tubes and Fittings Twelve Months Ended December

	1965		1966	
	Made	Shipped	Made	Shipped
net tons of 2,000 pounds				
<u>Pipe, and tubing welded and seamless:</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	255,512	257,899	242,072	246,697
Over 4 1/2" outside diameter (excluding tubing and casing) .....	(1)	(1)	293,679	289,261
Mechanical and pressure tubing, casing and oil well tubing .....	(1)	(1)	204,828	196,135
Totals .....	775,049	770,163	740,579	732,093

Steel pipe fittings:

Buttwelding fittings .....	1,817	2,213	1,799	1,761
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	6,829	7,324	6,618	6,499
Totals .....	8,646	9,537	8,417	8,260

(1) 1965 figures not available on comparable basis due to change in item identification.

(2) Included with "Other".



TABLE 13. Production and Disposition of Shipments of Rolled Steel Products, December 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
	net tons of 2,000 pounds			
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	16,512	17,398	17,398	-
For forging and piercing .....	8,972	14,442	-	14,442
Rails .....	22,938	27,768	-	27,768
Wire rods .....	29,734	30,287	-	30,287
Structural shapes:				
Heavy, including piling .....	30,002	28,746	-	28,746
Bar-sized shapes .....	10,282	6,917	-	6,917
Concrete reinforcing bars .....	29,743	28,076	-	28,076
Other hot rolled bars:				
Flats .....	6,742	7,454	) 5,282	( 7,454
Other .....	21,681	28,561		( 23,279
Tie plates and track material:				
Angle bars .....	-	249	-	249
Tie plates .....	4,512	4,453	-	4,453
Track spikes .....	462	418	-	418
Plates (including plates for pipes and tubes) .....	62,049	64,194	-	64,194
Hot rolled sheets .....	122,820	120,210	54,615	65,595
Hot rolled strip .....	108,404	105,515	95,815	9,700
Total hot rolled products ...	474,853	484,688	173,110	311,578
<u>Cold rolled and coated:</u>				
Cold finished bars .....	5,277	5,206	-	5,206
Cold reduced sheets and strip, tin mill black plate and tin plate .....	159,509	145,306	55,138	90,168
Galvanized sheets .....	31,690	28,811	-	28,811
Total cold rolled and coated ..	196,476	179,323	55,138	124,185
Total carbon steel .....	671,329	664,011	228,248	435,763
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	643	643	643	-
For forging and piercing .....	2,712	2,712	-	2,712
Alloy plates .....	484	484	-	484
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	21,078	18,461	142	18,319
Cold finished bars .....	700	669	-	669
Wire rods .....	571	427	-	427
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,149	4,084	-	4,084
Total alloy steel .....	30,337	27,480	785	26,695



TABLE 14. Production and Disposition of Shipments of Rolled Steel Products, Twelve Months Ended December 1966

	Production	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds				
<u>Carbon steel:</u>				
<u>Hot rolled:</u>				
Semi-finished shapes:				
For re-rolling .....	361,249	359,786(1)	326,701(1)	33,085(1)
For forging and piercing .....	217,365	229,383(1)	-	229,383(1)
Rails .....	276,784	282,293	-	282,293
Wire rods .....	430,641	424,634	-	424,634
Structural shapes:				
Heavy, including piling .....	440,581	433,159	-	433,159
Bar-sized shapes .....	83,251	86,787	-	86,787
Concrete reinforcing bars .....	639,399	655,525	-	655,525
Other hot rolled bars:				
Flats .....	95,240	98,575	)	98,575
Other .....	452,153	434,527	) 60,447	( 374,080
Tie plates and track material:				
Angle bars .....	9,508	9,331	-	9,331
Tie plates .....	45,032	44,573	-	44,573
Track spikes .....	7,978	8,968	-	8,968
Plates (including plates for pipes and tubes) .....	904,814	909,623	-	909,623
Hot rolled sheets .....	2,003,685	2,032,003	1,124,946	907,057
Hot rolled strip .....	1,456,677	1,430,100	1,179,758	250,342
Total hot rolled products ...	7,424,357	7,439,267(1)	2,691,852(1)	4,747,415(1)
<u>Cold rolled and coated:</u>				
Cold finished bars .....	71,928	72,157	-	72,157
Cold reduced sheets and strip, tin mill black plate and tin plate .....	2,467,878	2,454,028	1,052,439	1,401,589
Galvanized sheets .....	554,779	540,881	-	540,881
Total cold rolled and coated ..	3,094,585	3,067,066	1,052,439	2,014,627
Total carbon steel .....	10,518,942	10,506,333(1)	3,744,291(1)	6,762,042(1)
<u>Alloy steel:</u>				
Semi-finished shapes:				
For re-rolling .....	10,772	10,772	10,772	-
For forging and piercing .....	63,794	63,794	-	63,794
Alloy plates .....	26,064	26,064	-	26,064
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	228,641	215,759	2,294	213,465
Cold finished bars .....	7,047	6,830	-	6,830
Wire rods .....	3,461	3,475	-	3,475
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	54,352	52,720	-	52,720
Total alloy steel .....	394,131	379,414	13,066	366,348

(1) Includes revisions for October.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, December

SDI No.		December 1966		Twelve months ended December 1966	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4	Wholesalers and warehouses .....	52,349	3,814	892,391	31,973
6	Automotive and aircraft industries ...	39,851	10,841	520,251	122,688
7	Agricultural .....	16,252	147	211,226	3,699
8a	Contractors - Building .....	21,369	17	458,102	111
b	Construction - Public and Utility .....	3,255	-	74,307	1,398
c	Structural steel fabricators .....	46,650	624	860,538	12,279
9	Containers .....	21,395	-	461,763	516
10	Machinery and tools .....	18,110	1,948	270,870	29,697
11	Wire, wire products and fasteners ...	35,859	1,134	497,290	16,059
12	Natural resources and extractive industries .....	12,283	1,553	141,139	35,504
13	Appliances and utensils .....	10,618	134	180,798	3,674
14	Other metal stamping and pressing ....	21,292	835	351,035	8,599
16	Railway operating .....	23,254	-	258,800	139
17	Railroad cars and locomotives .....	9,304	103	124,104	3,078
18	Shipbuilding .....	7,862	29	94,410	6,830
19	Pipes and tubes .....	38,670	1,165	725,817(2)	36,835
20	Miscellaneous .....	1,411	46	19,230	541
	Total domestic shipments .....	379,784	22,390	6,142,071(2)	313,620
5	Export:				
	United States .....	14,172	3,197	341,030	36,954
	Other countries .....	41,807	1,108	278,941(2)	15,774
	Total Export .....	55,979	4,305	619,971(2)	52,728
	Total net shipments .....	435,763	26,695	6,762,042(2)	366,348

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes revisions for October.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product December 1966

SDI No.		Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4	Wholesalers and ware- houses .....	622	72	508	6,405	1,176	5,302	5,218
6	Automotive and air-craft industries .....	2,144	-	-	133	79	-	13,412
7	Agriculture .....	-	-	30	1,054	583	-	4,554
8a	Contractors - Building ...	-	-	90	329	94	4,507	392
b	Construction - Public and utility .....	-	-	-	222	18	1,800	733
c	Structural steel fabri- cators .....	152	90	7	13,088	3,606	10,303	3,299
9	Containers .....	-	-	23	-	-	-	131
10	Machinery and tools .....	253	181	184	958	106	3	2,467
11	Wire, wire products and fasteners .....	517	-	28,436	5	45	40	4,826
12	Natural resources and extractive industries ..	560	1,577	22	1,819	129	1,191	6,131
13	Appliances and utensils ..	-	-	-	52	3	20	128
14	Other metal stamping and pressing .....	25	33	249	176	512	3,797	2,396
16	Railway operating .....	-	18,267	1	110	19	-	481
17	Railroad cars and loco- motives .....	2,580	7	-	1,233	24	-	518
18	Shipbuilding .....	-	-	-	1,231	67	-	369
19	Pipes and tubes .....	9,462	-	58	-	-	-	47
20	Miscellaneous .....	9	-	98	23	-	505	100
	Total domestic shipments	16,324	20,227	29,706	26,838	6,461	27,468	45,202
5	Export:							
	United States .....	830	781	47	1,606	445	572	3,332
	Other countries .....	-	6,760	961	302	11	36	518
	Total export .....	830	7,541	1,008	1,908	456	608	3,850
	Total net shipments	17,154	27,768	30,714	28,746	6,917	28,076	49,052

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, December 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
54	9,167	8,780	84	1,995	11,011	5,769	56,163	4
-	340	20,287	1,399	1,475	10,133	1,290	50,692	6
-	1,420	5,132	313	1,152	1,608	553	16,399	7
20	1,013	2,323	109	-	2,015	10,494	21,386	8a
-	70	201	-	-	211	-	3,255	b
1	12,670	2,455	218	10	605	770	47,274	c
-	61	292	112	-	20,700	76	21,395	9
1	6,800	2,737	273	499	5,155	441	20,058	10
-	210	2,027	166	146	497	78	36,993	11
282	1,219	229	-	29	210	438	13,836	12
-	348	1,047	60	125	7,935	1,034	10,752	13
-	1,315	3,161	1,294	254	7,173	1,742	22,127	14
4,202	153	5	-	-	8	8	23,254	16
-	4,454	510	-	13	68	-	9,407	17
-	6,137	87	-	-	-	-	7,891	18
-	14,877	5,938	5,621	-	3,604	228	39,835	19
1	-	11	-	83	627	-	1,457	20
4,561	60,254	55,222	9,649	5,781	71,560	22,921	402,174	
								5
22	- 1,983	5,321	51	73	5,306	966	17,369	
537	6,407	5,052	-	21	17,386	4,924	42,915	
559	4,424	10,373	51	94	22,692	5,890	60,284	
5,120	64,678	65,595	9,700	5,875	94,252	28,811	462,458	



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product Twelve Months Ended December 1966

SDI No.		Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4	Wholesalers and ware- houses .....	679	2,818	7,147	92,359	21,758	124,879	91,247
6	Automotive and air-craft industries .....	45,143	411	25	3,287	960	41	156,815
7	Agriculture .....	-	-	147	8,674	10,997	11	60,226
8a	Contractors - Building ...	2	189	1,238	5,549	1,910	105,819	5,486
b	Construction - Public and utility .....	1	537	-	4,654	560	53,582	3,424
c	Structural steel fabri- cators .....	1,350	1,104	1,096	240,458	32,249	265,421	52,664
9	Containers .....	-	-	156	155	-	-	373
10	Machinery and tools .....	4,706	1,016	3,778	12,519	4,450	419	37,756
11	Wire, wire products and fasteners .....	8,714	-	399,811	147	1,168	3,272	69,602
12	Natural resources and extractive industries ..	4,321	11,741	463	10,961	1,183	13,637	101,671
13	Appliances and utensils ..	64	-	44	780	480	25	1,693
14	Other metal stamping and pressing .....	2,751	840	2,645	2,007	6,575	73,948	36,419
16	Railway operating .....	65	191,438	39	3,074	845	133	6,332
17	Railroad cars and loco- motives .....	27,595	92	3	20,224	571	-	7,167
18	Shipbuilding .....	-	70	-	11,226	757	5	3,066
19	Pipes and tubes .....	180,198(3)	-	1,893	223	59	662	493
20	Miscellaneous .....	23	-	1,149	634	875	3,957	3,866
	Total domestic shipments	275,612(3)	210,256	419,634	416,931	85,397	645,811	638,300
5	Export:							
	United States .....	29,715	9,686	1,006	15,660	1,379	9,078	39,174
	Other countries .....	20,935	62,351	7,469	568	11	636	8,646
	Total export .....	50,650	72,037	8,475	16,228	1,390	9,714	47,820
	Total net shipments	326,262(3)	282,293	428,109	433,159	86,787	655,525	686,120

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions for October.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product, Twelve Months Ended December 1966

Tie plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black-plate and tin plate(2)	Galvanized sheets	Total	SDI No.
974	143,252	151,324	3,521	27,540	151,224	105,642	924,364	4
21	7,083	211,303	26,744	19,668	152,123	19,315	642,939	6
-	18,275	65,520	2,110	13,104	20,735	15,126	214,925	7
269	8,156	35,143	1,331	204	36,916	256,001	458,213	8a
299	3,996	5,098	329	5	3,220	-	75,705	b
111	194,978	38,848	12,228	557	10,352	21,401	872,817	c
-	930	3,711	2,779	20	450,775	3,380	462,279	9
50	88,260	49,846	4,981	9,056	75,509	8,221	300,567	10
403	2,094	15,993	864	2,815	7,095	1,371	513,349	11
2,313	17,851	4,231	79	266	4,099	3,827	176,643	12
-	7,779	25,529	666	1,750	127,839	17,823	184,472	13
42	26,209	55,530	5,889	3,064	122,322	21,393	359,634	14
46,402	8,013	1,755	-	7	156	680	258,939	16
2	57,759	10,852	-	109	1,895	913	127,182	17
1	82,339	2,730	19	99	282	646	101,240	18
-	223,943	109,063	185,391	-	55,953	4,774	762,652(3)	19
79	795	71	35	259	7,766	262	19,771	20
50,966	891,712	786,547	246,966	78,523	1,228,261	480,775	6,455,691(3)	5
300	24,863	107,846	3,376	320	99,719	35,862	377,984	
11,606	19,112	12,664	-	144	126,329	24,244	294,715	
11,906	43,975	120,510	3,376	464	226,048	60,106	672,699	
62,872	935,687	907,057	250,342	78,987	1,454,309	540,881	7,128,390(3)	



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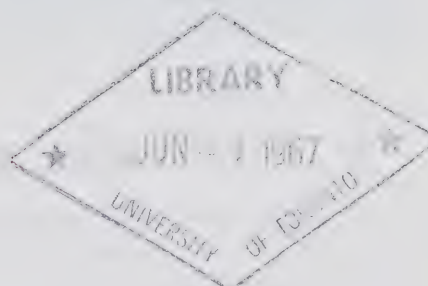
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# PRIMARY IRON AND STEEL

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DISPOSITION OF SHIPMENTS OF ROLLED STEEL  
PRODUCTS AND STEEL CASTINGS

Each month every firm in the primary steel industry in Canada submits a statement to the Dominion Bureau of Statistics on the distribution of steel shipments to domestic consuming industries in tons, by carbon and alloy grades. Details developed from these statements showing tonnages used by the approximately twenty major consuming industries are presented monthly in this report.

NOTE: Disposition Tables

1967 not comparable with 1966 and prior years because of inclusion of import data in details. In order to arrive at a comparable net figure it is necessary to take into account the import figures.

TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	532,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	January 1967
	net tons of 2,000 pounds
<u>Crude iron ore</u>	
From Canadian mines .....	9,168
From foreign mines .....	58,056
Pyrite cinder .....	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>	
From Canadian mines .....	360,731
From foreign mines .....	150,907
From own processing .....	86,287
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	22,811
Scrap iron and steel .....	4,779
Limestone .....	40,956
Dolomite .....	22,774
Coke .....	248,251

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).



TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
January

	1966	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Pig iron</u>		
Basic .....	594,390	8,262
Foundry (including silvery pig)(2) .....	44,803	8,734
Malleable .....	14,757	13,010
Total pig iron .....	653,950	30,006
Ferro-alloys .....	14,224	11,347
Stocks of pig iron on hand at end of month ....	151,184	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
January

	1967	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Pig iron</u>		
Basic .....	400,979	1,815
Foundry (including silvery pig)(2) .....	55,274	10,455
Malleable .....	6,346	14,519
Total pig iron .....	462,599	26,789
Ferro-alloys .....	14,138	13,227
Stocks of pig iron on hand at end of month ....	262,232	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,550,000
Total ingots .....	11,636,826
Steel castings .....	544,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	January	
	1966	1967
	net tons of 2,000 pounds	
Pig iron .....	571,076	410,728
Scrap - Own make .....	248,630	207,466
Purchased .....	168,882	161,487
Total pig iron and scrap .....	988,588	779,681

TABLE 7. Production and Shipments of Steel Ingots and Castings  
January

	1966	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Steel ingots (both carbon and alloy)</u>		
<u>(including continuous cast steel)</u>		
Basic open hearth .....	766,704	214
Electric .....	90,326	9,416
Oxygen .....	(2)	(2)
Total steel ingots .....	857,030	9,630
Continuous cast steel included in above .....	30,278	(3)
Alloy steel ingots included in above .....	71,969	1,710
<u>Steel castings (both carbon and alloy)</u>		
Basic open hearth .....	-	-
Electric .....	15,755	13,363
Other .....	-	-
Total steel castings .....	15,755	13,363
<u>Alloy steel castings included in above</u>		
High alloy, except manganese and abrasion resistant .....	481	393
Manganese and abrasion resistant .....	2,777	2,738
All other alloys .....	1,127	1,056
Total alloy castings .....	4,385	4,187

(1) Includes amounts for sale and for own use.

(2) Includes with "Basic open hearth".

(3) Confidential.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
January

	1967	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>		
Basic open hearth .....	573,210	5,853
Electric .....	94,221	7,609
Oxygen .....	(2)	(2)
Total steel ingots .....	667,431	13,462
Continuous cast steel included in above .....	39,037	(3)
Alloy steel ingots included in above .....	53,178	1,497
<u>Steel castings (both carbon and alloy)</u>		
Basic open hearth .....	(4)	-
Electric .....	16,341	16,492
Other .....	-	-
Total steel castings .....	16,341	16,492
<u>Alloy steel castings included in above</u>		
High alloy, except manganese and abrasion resistant .....	339	288
Manganese and abrasion resistant .....	2,802	2,585
All other alloys .....	922	882
Total alloy castings .....	4,063	3,755

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".

(3) Confidential. (4) Included with "Electric".

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	January 1967	
	Carbon	Alloy
	net tons of 2,000 pounds	
Wholesalers and warehouses .....	-	6
Export .....	1,665	658
Automotive and aircraft industries .....	495	-
Agricultural (including implement and equipment manufacturers) .....	184	33
Construction (including public works, public utilities and structural steel fabricators) ...	139	151
Machinery and tools .....	2,092	486
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	901	1,414
Railway operating .....	4,105	447
Railroad cars and locomotives .....	2,817	242
Shipbuilding .....	37	43
Miscellaneous (including grinding balls and railway car wheels) .....	195	382
Totals .....	12,630	3,862

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
	net tons of 2,000 pounds				
1966					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
1967					
January .....	462,599	14,138	667,431	16,341	683,772
February .....					
March .....					
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					



TABLE 11. Production and Shipments of Steel Pipe Tubing and Fittings  
January

	1966	
	Made	Shipped
	net tons of 2,000 pounds	
<u>Pipe and tubing, welded and seamless</u>		
4 1/2" outside diameter and under (excluding tubing and casing) .....	17,101	18,738
Over 4 1/2" outside diameter (excluding tubing and casing) .....	35,205	37,100
Mechanical and pressure tubing, casing and oil well tubing .....	22,181	18,565
Totals .....	74,487	74,403
<u>Steel pipe fittings</u>		
Buttwelding fittings .....	152	143
Nipples .....	(1)	(1)
Other, including flanges and flanged fittings ...	559	600
Totals .....	711	743

(1) Included with "other".

TABLE 12. Production and Shipments of Steel Pipe Tubing and Fittings  
January

	1967	
	Made	Shipped
	net tons of 2,000 pounds	
<u>Pipe and tubing, welded and seamless</u>		
4 1/2" outside diameter and under (excluding tubing and casing) .....	18,850	20,003
Over 4 1/2" outside diameter (excluding tubing and casing) .....	23,884	22,970
Mechanical and pressure tubing, casing and oil well tubing .....	14,360	15,545
Totals .....	57,094	58,518
<u>Steel pipe fittings</u>		
Buttwelding fittings .....	132	117
Nipples .....	(1)	(1)
Other, including flanges and flanged fittings ...	584	632
Totals .....	716	749

(1) Included with "other".



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
January 1967

	Production	Imports	Total of all Shipments	Shipments for further processing	Net Shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
Hot rolled:					
Ingots and Semi-finished shapes:					
For re-rolling .....	14,619	-	19,463	19,463	-
For forging and piercing .....	8,237	-	10,270	-	10,270
Rails .....	23,909	-	23,483	-	23,483
Wire rods .....	36,549	-	35,055	-	35,055
Structural shapes:					
Heavy, including piling .....	11,579	-	19,015	-	19,015
Bar-sized shapes .....	7,737	-	9,941	-	9,941
Concrete reinforcing bars .....	44,000	-	28,333	-	28,333
Other hot rolled bars:					
Flats .....	6,801	-	7,450	)	( 7,450
Other .....	35,895	-	26,374	) 4,092	( 22,282
Tie plates and track material:					
Angle bars .....	669	-	531	-	531
Tie plates .....	2,454	-	2,487	-	2,487
Track spikes .....	320	-	456	-	456
Plates (including plates for pipes and tubes) .....	52,988	-	54,641	-	54,641
Hot rolled sheets .....	153,609	-	154,530	92,265	62,265
Hot rolled strip .....	90,041	-	90,584	75,975	14,609
Total hot rolled products ...	489,407	-	482,613	191,795	290,818
<u>Cold rolled and coated</u>					
Cold finished bars .....	6,891	51	6,760	-	6,760
Cold reduced sheets and strip, tin mill black plate and tin plate .....	188,837	-	194,816	80,319	114,497
Galvanized sheets .....	33,382	-	38,700	-	38,700
Total cold rolled and coated ....	229,110	51	240,276	80,319	159,957
Total carbon steel .....	718,517	51	722,889	272,114	450,775
<u>Alloy steel</u>					
Ingots and Semi-finished shapes:					
For re-rolling .....	1,137	-	1,137	1,137	-
For forging and piercing .....	2,768	-	2,768	-	2,768
Alloy plates .....	123	-	123	-	123
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	16,449	-	18,002	132	17,870
Cold finished bars .....	434	-	445	-	445
Wire rods .....	239	-	251	-	251
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	8,636	2,960	8,371	-	8,371
Total alloy steel .....	29,786	2,960	31,097	1,269	29,828

TABLE 14. Disposition of Net Shipments(1) of Ingots and Rolled Steel Products

SDI No.		January 1967	
		Carbon	Alloy
		net tons of 2,000 pounds	
4a	Wholesalers and warehouses - Steel service centres .....	52,261	2,146
b	Other warehouses .....	2,784	24
6	Automotive and aircraft industries	32,176	10,201
7	Agricultural .....	14,970	279
8a	Contractors - Building .....	29,625	-
b	Construction - Public and Utility ..	2,864	-
c	Structural steel fabricators .....	42,889	229
9	Containers .....	43,096	46
10	Machinery and tools .....	19,206	2,608
11	Wire, wire products and fasteners ..	38,600	1,917
12	Natural resources and extractive industries .....	5,921	584
13	Appliances and utensils .....	13,598	221
14	Other metal stamping and pressing ..	25,931	1,268
16	Railway operating .....	24,441	-
17	Railroad cars and locomotives .....	7,308	36
18	Shipbuilding .....	2,750	-
19	Pipes and tubes .....	59,250	268
20	Miscellaneous .....	1,303	92
	Total domestic shipments .....	418,973	19,919
5a	<u>Export - For conversion and return</u>		
i	USA .....	-	3,365
ii	Other countries .....	-	-
5b	<u>Other export (for final sale)</u>		
i	USA .....	17,209	4,660
ii	Other countries .....	14,939	1,950
	Total domestic and export shipments .....	451,121	29,894
	Imports by producers (including conversion) .....	51	2,960
	Total net shipments .....	451,070	26,934

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 15. Disposition of Net Shipments(1) of Ingots and Rolled Steel Products, by Product  
January 1967

SDI No.		Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	14	113	-	4,551	1,857	7,113	5,979
b	Other warehouses .....	-	4	1,312	413	40	-	48
6	Automotive and aircraft industries .....	476	-	1	4	161	-	12,683
7	Agriculture .....	-	-	5	532	1,011	-	4,171
8a	Contractors - Building ....	-	-	83	209	163	3,940	427
b	Construction - Public and utility .....	-	-	-	15	20	1,938	190
c	Structural steel fabri- cators .....	64	29	128	11,222	5,076	8,686	2,963
9	Containers .....	-	-	27	-	-	-	52
10	Machinery and tools .....	414	39	511	553	267	1	3,670
11	Wire, wire products and fasteners .....	759	-	31,542	5	234	-	5,493
12	Natural resources and extractive industries ...	269	511	13	420	38	210	3,628
13	Appliances and utensils ...	-	-	2	-	-	-	49
14	Other metal stamping and pressing .....	125	52	163	141	357	4,492	2,609
16	Railway operating .....	-	22,585	25	38	80	-	525
17	Railroad cars and loco- motives .....	3,606	17	-	109	43	-	529
18	Shipbuilding .....	-	-	-	240	45	-	93
19	Pipes and tubes .....	5,460	-	218	-	-	-	14
20	Miscellaneous .....	-	-	412	-	5	51	233
Total domestic shipments		11,187	23,350	34,442	18,452	9,397	26,431	43,356
5a	<u>Export - For Conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	1,851	133	97	563	544	1,790	3,810
ii	Other countries .....	-	-	767	-	-	112	782
Total domestic and export shipments ....		13,038	23,483	35,306	19,015	9,941	28,333	47,948
Imports by producers (in- cluding conversion) .....		-	-	-	-	-	-	-
Total net shipments		13,038	23,483	35,306	19,015	9,941	28,333	47,948

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 15. Disposition of Net Shipments(1) of Ingots and Rolled Steel Products, by Product  
January 1967

Tie Plates and track material	Plates including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
49	5,610	9,495	101	2,663	8,318	8,544	54,407	4a
-	748	213	-	-	30	-	2,808	b
-	365	13,295	1,310	1,686	11,270	1,126	42,377	6
-	1,327	4,659	110	1,265	1,519	650	15,249	7
-	660	3,096	110	24	2,690	18,223	29,625	8a
-	26	482	-	-	193	-	2,864	b
-	9,665	3,293	429	45	548	970	43,118	c
-	59	491	133	-	42,319	61	43,142	9
35	3,853	3,559	512	738	7,056	606	21,814	10
5	275	1,214	24	252	554	160	40,517	11
51	913	138	3	42	93	176	6,505	12
-	101	1,290	33	202	10,779	1,363	13,819	13
3,331	1,128	3,548	233	249	9,253	1,518	27,199	14
-	858	223	-	-	5	102	24,441	16
-	1,949	910	-	-	181	-	7,344	17
-	2,199	117	6	-	-	50	2,750	18
-	21,892	11,486	11,521	-	8,563	364	59,518	19
-	23	-	-	24	585	62	1,395	20
3,471	51,651	57,509	14,525	7,190	103,956	33,975	438,892	
-	-	-	-	-	3,365	-	3,365	5a
-	-	-	-	-	-	-	-	i ii
2	889	3,524	84	3	7,054	1,525	21,869	5b i
1	2,224	1,232	-	12	8,559	3,200	16,889	ii
3,474	54,764	62,265	14,609	7,205	122,934	38,700	481,015	
-	-	-	-	51	2,960	-	3,011	
3,474	54,764	62,265	14,609	7,154	119,974	38,700	478,004	



TABLE 16. Steel Capacity as of January 1, 1967

Firm and province	Ingots			Castings		
	Oxygen	Open hearth	Electric	Open hearth	Electric	Total capacity
	tons of 2,000 pounds					
<u>Newfoundland</u>						
Newfoundland Steel Co. Ltd. ....	-	-	-	-	60,000	60,000
<u>Nova Scotia</u>						
Dosco Steel Limited .....	-	1,070,000	30,000	-	-	1,100,000
Enamel and Heating Products Ltd. ...	-	-	20,000	-	-	20,000
Maritime Steel Foundries Ltd. ....	-	-	-	-	3,000	3,000
Total Nova Scotia .....	-	1,070,000	50,000	-	63,000	1,183,000
<u>Quebec</u>						
Atlas Steels Co., Division of Rio Algoma Mines Limited .....	-	-	70,000	-	-	70,000
Canadian Steel Foundries Division .. of Hawker Siddeley Canada Ltd. ...	-	-	-	-	82,000	82,000
Canadian Steel Wheel Ltd. ....	-	-	145,800	-	-	145,800
Canadian Unitcast-Steel Limited ....	-	-	-	-	3,600	3,600
Crucible Steel of Canada Limited ...	-	-	48,000	-	-	48,000
Abex Industries of Canada Ltd. (Amsco Joliette Division) .....	-	-	-	-	25,000	25,000
Dominion Engineering Works Limited	-	-	-	-	15,000	15,000
Dosco Steel Limited .....	-	-	156,000	-	-	156,000
Griffin Steel Foundries Ltd. ....	-	-	-	-	52,500	52,500
Lynn MacLeod Metallurgy Ltd. ....	-	-	-	-	4,500	4,500
Manganese Steel Castings Ltd. ....	-	-	-	-	1,800	1,800
Sorel Steel Foundries Limited .....	-	-	-	-	24,000	24,000
Total Quebec .....	-	-	419,800	-	208,400	628,200
<u>Ontario</u>						
Algoma Steel Corp. Ltd., The .....	1,450,000	1,150,000	-	-	-	2,600,000
Atlas Steels Co., Division of Rio Algoma Mines Limited .....	-	-	200,000	-	-	200,000
Black-Clawson-Kennedy Ltd. ....	-	-	-	-	14,000	14,000
Burlington Steel Co. Division of Slater Steel Industries Ltd. ....	-	-	138,176	-	-	138,176
Canada Electric Castings Co. Ltd. ..	-	-	-	-	5,000	5,000
Dominion Foundries & Steel Ltd. ....	2,100,000	-	50,850	-	-	2,150,850
Fahr alloy Canada Ltd. ....	-	-	-	-	24,000	24,000
Fahr alloy-Wisconsin Ltd. ....	-	-	-	-	4,500	4,500
Indiana Steel Products Co. of Canada Ltd., The .....	-	-	-	-	6,000	6,000
Lake Ontario Steel Co. Ltd. ....	-	-	200,000	-	-	200,000
Neelon Steel Ltd. ....	-	-	-	-	18,000	18,000
Steel Co. of Canada Ltd., The .....	-	4,250,000	-	-	-	4,250,000
Welmet Industries Limited .....	-	-	-	-	10,500	10,500
Total Ontario .....	3,550,000	5,400,000	589,026	-	82,000	9,621,026



TABLE 16. Steel Capacity as of January 1, 1967 - Concluded

Firm and province	Ingots			Castings		
	Oxygen	Open hearth	Electric	Open hearth	Electric	Total capacity
	tons of 2,000 pounds					
<u>Manitoba</u>						
Abex Industries of Canada Ltd. ....	-	-	-	-	7,000	7,000
Griffin Steel Foundries Ltd. ....	-	-	-	-	70,000	70,000
Manitoba Rolling Mill Co., Ltd. ....	-	-	160,000	-	-	160,000
Total Manitoba .....	-	-	160,000	-	77,000	237,000
<u>Saskatchewan</u>						
Interprovincial Steel and Pipe Corporation Limited .....	-	-	150,000	-	-	150,000
Total Saskatchewan .....	-	-	150,000	-	-	150,000
<u>Alberta</u>						
Foothills Steel Foundry, Division of Irving Industries Ltd. ....	-	-	-	-	4,000	4,000
Quality Steel Foundries Ltd. ....	-	-	-	-	6,000	6,000
Steel Co. of Canada Ltd., The .....	-	-	128,000	-	-	128,000
Western Rolling Mills Ltd. ....	-	-	30,000	-	-	30,000
Total Alberta .....	-	-	158,000	-	10,000	168,000
<u>British Columbia</u>						
A-1 Steel and Iron Foundry Ltd. ....	-	-	-	-	7,800	7,800
C.A.E. Sumner Limited .....	-	-	-	-	2,000	2,000
Cominco Ltd. (Kimberley) .....	-	-	-	-	80,000	80,000
Cominco Ltd. (Tadanac) .....	-	-	-	-	3,600	3,600
Esco Limited .....	-	-	-	-	5,400	5,400
Horton Steel .....	-	-	-	-	2,200	2,200
Western Canada Steel Ltd., Vancouver Steel Division .....	-	-	90,000	-	-	90,000
Victoria Machinery Depot Co. Ltd. ..	-	-	-	-	3,000	3,000
Total British Columbia .....	-	-	90,000	-	104,000	194,000
Total Canada .....	3,550,000	6,470,000	1,616,826	-	544,400	12,181,276

TABLE 17. Pig Iron Capacity, January 1, 1967

Firm	In blast or in use			Banked, blown out or idle		
	Furnaces		Annual capacity	Furnaces		Annual capacity
	Blast	Electric		Blast	Electric	
	number		net tons	number		net tons
Algoma Steel Corp. Ltd., The .....	5	-	2,225,000	-	-	-
Canadian Furnace Division of The Algoma Steel Corp. Ltd. ....	1	-	240,000	-	-	-
Consolidated Mining and Smelting Co. of Canada Limited, The .....	-	2	110,000	-	-	-
Dominion Foundries and Steel Limited ...	3	-	1,550,000	-	-	-
Dosco Steel Limited (Sydney) .....	2	-	876,000	-	-	-
Quebec Iron and Titanium Corporation ...	-	8	413,000	-	-	-
Steel Company of Canada Ltd., The .....	4	-	2,350,000	-	-	-
Totals .....	15	10	7,764,000	-	-	-

TABLE 18. Coke Oven Capacity, January 1, 1967

Firm	In use	
	Ovens	Annual capacity
	number	net tons (of coke)
Algoma Steel Corp. Ltd., The .....	230	1,366,500
Crows Nest Industries Ltd. ....	52	160,000
Dominion Foundries and Steel Limited .....	158	911,625
Dosco Steel Limited (Sydney) .....	114	612,000
Quebec Natural Gas Corp. ....	74	384,000
Steel Company of Canada Ltd., The .....	191	1,275,000
Totals .....	819	4,709,125

TABLE 19. Sinter Plant Capacity(1) January 1, 1967

Firm	Sintering units or strands	Annual capacity
	number	net tons
Algoma Steel Corporation Ltd., The .....	1	725,000
The Consolidated Mining and Smelting Co. of Canada Ltd. ....	1	300,000
Dosco Steel Limited (Sydney) .....	1	250,000
Steel Co. of Canada Ltd., The .....	1	900,000
Totals .....	4	2,175,000

(1) At Manufacturing plant only.

Note: Annual capacity is the production which the given piece of equipment will turn out in a year, working at normal efficiency, 24 hours a day, and irrespective altogether of materials and labour supplies or the markets, although allowing for shut-downs as may be necessary for repairs and overhauling or rebuilding.

List of Reporting Firms

Name	Plant location
<u>Pig Iron</u>	
Algoma Steel Corporation Ltd., The .....	Sault Ste. Marie, Ont.
Canadian Furnace Division of The Algoma Steel Corp. Ltd. ....	Port Colborne, Ont.
Cominco Ltd. ....	Kimberley, B.C.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited .....	Sydney, N.S.
Quebec Iron & Titanium Corporation .....	Sorel, Que.
Steel Co. of Canada Ltd., The .....	Hamilton, Ont.
<u>Steel Ingots and Steel Castings</u>	
A-1 Steel and Iron Foundry Ltd. ....	Vancouver, B.C.
Abex Industries of Canada Ltd., Amsco Joliette Division .....	Joliette, Que. Selkirk, Man.
Algoma Steel Corporation Ltd., The .....	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Tracy, Que. Welland, Ont.
Black-Clawson-Kennedy Ltd. ....	Owen Sound, Ont.
Burlington Steel Co., Division of Slater Steel Industries Ltd. ....	Hamilton, Ont.
Canadian Steel Foundries (Division of Hawker Siddeley Canada Ltd.) .....	Montreal, Que.
Canadian Steel Wheel Ltd. ....	Hochelaga, Montreal, Que.
C.A.E. Machinery Ltd. ....	Vancouver, B.C.
Canadian Unitcast-Steel Ltd. ....	Sherbrooke, Que.
Cominco Ltd. ....	Kimberley, B.C. Tadanac, B.C.
Crucible Steel of Canada Ltd. ....	Sorel, Que.
Dominion Engineering Works Ltd. ....	Montreal, Que.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited .....	Sydney, N.S. Montreal, Que.
Enamel & Heating Products Ltd. ....	Amherst, N.S.
Esco Limited .....	Port Coquitlam, B.C.
Fahralloy Canada Ltd. ....	Orillia, Ont.
Foothills Steel Foundry, Division of Irving Industries Ltd. ....	Calgary, Alta.
Griffin Steel Foundries Ltd. ....	St. Hyacinthe, Que. Transcona, Man.
Indiana Steel Products Co. of Canada Ltd. the .....	Kitchener, Ont.
Interprovincial Steel & Pipe Corporation Ltd. ....	Regina, Sask.
Lake Ontario Steel Co. Ltd. ....	Whitby, Ont.
Lynn MacLeod Metallurgy Ltd. ....	Thetford Mines, Que.
Manganese Steel Castings Ltd. ....	Sherbrooke, Que.
Manitoba Rolling Mill Co. Ltd. ....	Winnipeg, Man.
Maritime Steel Foundries Ltd. ....	New Glasgow, N.S.
Neelon Steel Ltd. ....	Sudbury, Ont.
Quality Steel Foundries Ltd. ....	Edmonton, Alta.
Reliance Foundry Co. Ltd. ....	Vancouver, B.C.
Sorel Steel Foundries Ltd. ....	Sorel, Que.

List of Reporting Firms - Continued

Name	Plant location
<u>Steel Ingots and Steel Castings - Concluded</u>	
Steel Co. of Canada Ltd., The .....	Hamilton, Ont. Edmonton, Alta.
Victoria Machinery Depot Co. Ltd. ....	Victoria, B.C.
Welmet Industries Ltd. ....	Welland, Ont.
Western Canada Steel .....	Calgary, Alta. Vancouver, B.C.
<u>Ferro Alloys</u>	
Canadian Carborundum Co. Ltd. ....	Niagara Falls, Ont.
Chromium Mining & Smelting Corp. Ltd. ....	Beauharnois, Que.
Exolon Company, The .....	Thorold, Ont.
Lionite Abrasive Ltd. ....	Niagara Falls, Ont.
Norton Company .....	Chippawa, Ont.
Simonds Canada Abrasives Co. ....	Arvida, Que.
Union Carbide Canada Ltd. (Metals & Carbon Div.) .....	Beauharnois, Que. Welland, Ont.
<u>Steel Pipe, Tubing and Fittings</u>	
Alberta Phoenix Tube & Pipe Ltd. ....	Calgary, Alta. Edmonton, Alta. Port Moody, B.C.
Barton Tubes Limited .....	Burlington, Ont.
Bundy Tubing Co. of Canada Ltd. ....	Bramalea, Ont.
Camrose Tubes Ltd. ....	Welland, Ont.
Canadian Acme Screw & Gear Co. ....	Toronto, Ont.
Canadian Coupling & Fitting Ltd. ....	Simcoe, Ont.
Crane Canada Ltd. ....	Montreal, Que. Hamilton, Ont.
Dosco Steel Limited (Montreal Works) .....	Montreal, Que.
Driam Pipe Canada .....	Toronto, Ont.
Interprovincial Steel & Pipe Corp. Ltd. (Pipe Div.) .....	Regina, Sask.
Ladish Co. of Canada Ltd. ....	Brantford, Ont.
Mannesmann Tube Co. Ltd. ....	Sault Ste. Marie, Ont.
Page-Hersey Tubes Ltd. (Steel Co. of Canada Ltd.) .....	Hamilton, Ont.
Page-Hersey Tubes Western Ltd. (Steel Co. of Canada Ltd.) .....	Camrose, Alta.
Prudential Steel Ltd. ....	Calgary, Alta.
Sonco Steel Products Ltd. ....	Brampton, Ont.
Standard Tube & T.I. Ltd. ....	Montreal, Que. Woodstock, Ont. Winnipeg, Man.
Stanton Pipes Ltd. ....	Hamilton, Ont.
Steel Co. of Canada Ltd., The .....	Contrecoeur, Que. Montreal, Que. Hamilton, Ont.



List of Reporting Firms - Concluded

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Name	Plant location
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Steel Pipe, Tubing and Fittings - Concluded

Tubular Steel Products Ltd. ....	Toronto, Ont.
Tube Turns of Canada Ltd. ....	Ridgetown, Ont.
Welland Tubes Ltd. ....	Welland, Ont.

Ingots and Rolled Steel Products

Algoma Steel Corp. Ltd. The ....	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Welland, Ont. Tracy, Que.
Burlington Steel Co., Division of Slater Industries Ltd. ....	Hamilton, Ont.
Canadian Steel Wheel ....	Hochelaga, Montreal, Que.
Cominco Ltd. ....	Kimberley, B.C.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited ....	Sydney, N.S. Montreal, Que. Contrecoeur, Que. Etobicoke, Ont.
Enamel & Heating Products Ltd. ....	Amherst, N.S.
Interprovincial Steel & Pipe Corp. Ltd. (Steel Division) ....	Regina, Sask.
Lake Ontario Steel Co. Ltd. ....	Whitby, Ont.
Manitoba Rolling Mill Co. Ltd. ....	Winnipeg, Man.
Newfoundland Steel Co. Ltd. ....	St. John's Nf'ld.
Stanley Steel Co. Ltd. ....	Hamilton, Ont.
Steel Co. of Canada Ltd., The ....	Hamilton, Ont. Edmonton, Alta.
Union Drawn Steel Co. Ltd. ....	Hamilton, Ont.
Vic Metal Corporation ....	Victoriaville, Que.
Western Canada Steel Ltd. ....	Calgary, Alta. Vancouver, B.C.

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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	February 1967	Two months ended February 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	31,064	40,232
From foreign mines .....	60,452	118,508
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	403,821	764,552
From foreign mines .....	158,465	309,372
From own processing .....	128,773	215,060
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	22,053	44,864
Scrap iron and steel .....	6,403	11,182
Limestone .....	53,883	94,839
Dolomite .....	17,908	40,682
Coke .....	292,023	540,274

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).



TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
February

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	533,719	5,675	475,998	3,716
Foundry (including silvery pig) (2) .....	46,421	13,491	38,264	9,624
Malleable .....	9,095	13,087	15,842	15,735
Total pig iron .....	589,235	32,253	530,104	29,075
Ferro-alloys .....	15,015	10,942	13,712	16,893
Stocks of pig iron on hand at end of month ....	183,421		277,764	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Two months ended February

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	1,128,109	13,937	876,977	5,531
Foundry (including silvery pig) (2) .....	91,224	22,225	93,538	20,079
Malleable .....	23,852	26,097	22,188	30,254
Total pig iron .....	1,243,185	62,259	992,703	55,864
Ferro-alloys .....	29,239	22,289	27,850	30,120

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,550,000
Total ingots .....	11,636,826
Steel castings .....	544,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	February		Two months ended February	
	1966	1967	1966	1967(1)
	net tons of 2,000 pounds			
Pig iron .....	520,948	476,683	1,092,024	887,411
Scrap - Own make .....	222,308	217,134	470,938	424,726
Purchased .....	162,970	179,445	331,852	342,476
Total pig iron and scrap .....	906,226	873,262	1,894,814	1,654,613

(1) Includes revisions for January.

TABLE 7. Production and Shipments of Steel Ingots and Castings  
February

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	700,854	466	643,780	4,301
Electric .....	94,787	9,747	105,506	11,593
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	795,641	10,213	749,286	15,894
Continuous cast steel included in above .....	36,941	(3)	51,194	(3)
Alloy steel ingots included in above .....	66,233	1,203	52,133	2,670
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	14,709	14,493	13,979	12,629
Other .....	-	-	(4)	(4)
Total steel castings .....	14,709	14,493	13,979	12,629
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	383	419	531	431
Manganese and abrasion resistant .....	2,747	2,859	2,648	2,636
All other alloys .....	1,072	1,139	785	704
Total alloy castings .....	4,202	4,417	3,964	3,771

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Confidential

(4) Included with "Electric".

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Two Months Ended February

	1966		1967(5)	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	1,467,558	680	1,216,990	10,154
Electric .....	185,113	19,163	201,146	19,202
Oxygen .....	(2)	-	(2)	(2)
Total steel ingots .....	1,652,671	19,843	1,418,136	29,356
Continuous cast steel included in above .....	67,219	(3)	91,466	(3)
Alloy steel ingots included in above .....	138,202	2,913	105,790	4,687
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	30,464	27,856	29,841	28,601
Other .....	-	-	(4)	(4)
Total steel castings .....	30,464	27,856	29,841	28,601
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	864	812	977	826
Manganese and abrasion resistant .....	5,524	5,597	5,450	5,221
All other alloys .....	2,199	2,195	1,707	1,586
Total alloy castings .....	8,587	8,604	8,134	7,633

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential  
(4) Included with "Electric". (5) Includes revisions for January.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	February 1967		Two months ended February 1967	
	Carbon	Alloy	Carbon	Alloy
net tons of 2,000 pounds				
Wholesalers and warehouses .....	-	9	-	15
Export .....	554	523	2,219	1,181
Automotive and aircraft industries .....	489	8	984	8
Agricultural (including implement and equipment manufacturers) .....	164	34	348	67
Construction (including public works, public utilities and structural steel fabricators) ...	96	163	235	314
Machinery and tools .....	1,692	426	3,784	912
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	610	1,467	991(2)	2,881
Railway operating .....	2,866	540	6,971	987
Railroad cars and locomotives .....	2,140	157	4,957	399
Shipbuilding .....	38	29	75	72
Miscellaneous (including grinding balls and railway car wheels) .....	209	415	404	797
Totals .....	8,858	3,771	20,968(2)	7,633

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

(2) Includes revisions for January.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	668,850(1)	15,862(1)	684,712(1)
February .....	530,104	13,712	749,286	13,979	763,265
March .....					
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

(1) Includes revisions for January.



TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
February

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	14,958	16,143	21,093	18,676
Over 4 1/2" outside diameter (excluding tubing and casing) .....	29,034	27,719	18,116	16,809
Mechanical and pressure tubing, casing and oil well tubing .....	19,583	17,453	14,410	14,505
Totals .....	63,575	61,315	53,619	49,990
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	99	122	148	116
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	480	488	575	555
Totals .....	579	610	723	671

(1) Included with "other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Two Months Ended February

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	32,059	34,881	39,943	38,679
Over 4 1/2" outside diameter (excluding tubing and casing) .....	64,239	64,819	42,000	39,779
Mechanical and pressure tubing, casing and oil well tubing .....	41,764	36,018	28,770	30,050
Totals .....	138,062	135,718	110,713	108,508
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	251	265	280	233
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,039	1,088	1,159	1,187
Totals .....	1,290	1,353	1,439	1,420

(1) Included with "other".



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
February 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
	net tons of 2,000 pounds				
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	19,753	-	17,480	17,480	-
For forging and piercing .....	17,365	-	13,714	-	13,714
Rails .....	20,722	-	17,279	-	17,279
Wire rods .....	35,032	-	34,863	-	34,863
Structural shapes:					
Heavy, including piling .....	29,567	-	27,597	-	27,597
Bar-sized shapes .....	14,234	-	9,710	-	9,710
Concrete reinforcing bars .....	35,039	-	33,750	-	33,750
Other hot rolled bars:					
Flats .....	9,195	-	7,288	)	( 7,288
Other .....	36,026	-	35,557	) 6,455	( 29,102
Tie plates and track material:					
Angle bars .....	806	-	843	-	843
Tie plates .....	4,372	-	4,249	-	4,249
Track spikes .....	729	-	735	-	735
Plates (including plates for pipes and tubes) .....	82,859	-	75,538	-	75,538
Hot rolled sheets .....	164,429	-	148,502	76,678	71,824
Hot rolled strip .....	109,966	-	109,256	90,921	18,335
Total hot rolled products ...	580,094	-	536,361	191,534	344,827
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,610	-	3,474	-	3,474
Cold reduced sheets and strip, tin mill black plate and tin plate .....	178,924	-	200,917	88,920	111,997
Galvanized sheets .....	34,544	-	32,033	-	32,033
Total cold rolled and coated ..	219,078	-	236,424	88,920	147,504
Total carbon steel .....	799,172	-	772,785	280,454	492,331
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	2,136	-	2,136	2,136	-
For forging and piercing .....	5,797	-	5,797	-	5,797
Alloy plates .....	655	-	655	-	655
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	15,152	-	14,751	56	14,695
Cold finished bars .....	641	-	614	-	614
Wire rods .....	273	-	288	-	288
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,396	2,787	7,263	-	7,263
Total alloy steel .....	29,050	2,787	31,504	2,192	29,312

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Two Months Ended February 1967(1)

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	38,089	-	36,943	36,943	-
For forging and piercing .....	25,602	-	23,984	-	23,984
Rails .....	44,631	-	40,762	-	40,762
Wire rods .....	71,581	-	69,918	-	69,918
Structural shapes:					
Heavy, including piling .....	41,146	-	46,942	-	46,942
Bar-sized shapes .....	21,971	-	20,019	-	20,019
Concrete reinforcing bars .....	79,039	-	62,083	-	62,083
Other hot rolled bars:					
Flats .....	15,996	-	14,793	) 10,547	( 14,793
Other .....	71,921	-	62,331		( 51,784
Tie plates and track material:					
Angle bars .....	1,475	-	1,374	-	1,374
Tie plates .....	6,826	-	6,736	-	6,736
Track spikes .....	1,049	-	1,191	-	1,191
Plates (including plates for pipes and tubes) .....	135,847	-	127,955	-	127,955
Hot rolled sheets .....	318,038	-	303,014	168,943	134,071
Hot rolled strip .....	200,007	-	199,840	166,896	32,944
Total hot rolled products ...	1,073,218	-	1,017,885	383,329	634,556
<u>Cold rolled and coated</u>					
Cold finished bars .....	12,501	51	10,234	-	10,234
Cold reduced sheets and strip, tin mill black plate and tin plate .....	367,761	-	395,677	169,239	226,438
Galvanized sheets .....	67,926	-	70,733	-	70,733
Total cold rolled and coated ..	448,188	51	476,644	169,239	307,405
Total carbon steel .....	1,521,406	51	1,494,529	552,568	941,961
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	3,273	-	3,273	3,273	-
For forging and piercing .....	8,565	-	8,565	-	8,565
Alloy plates .....	778	-	778	-	778
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	31,601	-	32,177	188	31,989
Cold finished bars .....	1,075	-	1,059	-	1,059
Wire rods .....	512	-	539	-	539
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	13,032	5,747	15,700	-	15,700
Total alloy steel .....	58,836	5,747	62,091	3,461	58,630

(1) Includes revisions for January.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		February 1967		Two months ended February 1967(2)	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	53,145	2,213	104,151	4,359
b	Other warehouses .....	6,141	261	10,559	285
6	Automotive and aircraft industries ..	38,329	7,005	70,505	17,206
7	Agricultural .....	15,051	298	30,022	577
8a	Contractors - Building .....	29,540	16	59,182	16
b	Construction - Public and utility ...	5,599	58	8,463	58
c	Structural steel fabricators .....	51,061	76	94,127	305
9	Containers .....	46,740	55	89,836	101
10	Machinery and tools .....	17,989	2,485	37,383	5,093
11	Wire, wire products and fasteners ...	40,415	1,055	79,015	2,972
12	Natural resources and extractive industries .....	10,920	1,578	16,841	2,162
13	Appliances and utensils .....	11,339	115	24,937	336
14	Other metal stamping and pressing ...	25,254	1,285	47,880	2,553
16	Railway operating .....	23,029	-	50,801	-
17	Railroad cars and locomotives .....	8,439	29	15,747	65
18	Shipbuilding .....	2,586	-	5,379	-
19	Pipes and tubes .....	66,613	3,120	125,863	3,388
20	Miscellaneous .....	1,667	136	2,978	228
	Total domestic shipments .....	453,857	19,785	873,669	39,704
5a	<u>Export - For conversion and return</u>				
1	USA .....	-	2,902	-	6,267
1i	Other countries .....	-	-	-	-
5b	<u>Other export (for final sale)</u>				
1	USA .....	28,827	5,423	46,036	10,083
1i	Other countries .....	11,819	1,202	24,428	2,576
	Total domestic and export shipments .....	494,503	29,312	944,133	58,630
	Imports by producers (including conversion) .....	-	2,787	51	5,747
	Total net shipments .....	494,503	26,525	944,082	52,883

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes revisions for January.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
February 1967

SDI No.		Ingots and Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	-	-	29	5,140	1,831	7,220	5,694
b	Other warehouses .....	-	94	529	1,160	137	19	480
6	Automotive and aircraft industries .....	2,117	-	-	88	50	-	10,027
7	Agriculture .....	-	-	10	203	978	-	3,554
8a	Contractors - Building ...	-	4	65	176	100	3,742	581
b	Construction - Public and utility .....	-	181	-	52	48	3,953	343
c	Structural steel fabri- cators .....	299	125	250	16,639	4,198	12,186	3,134
9	Containers .....	-	-	-	-	-	-	12
10	Machinery and tools .....	134	-	1,070	559	291	-	2,947
11	Wire, wire products and fasteners .....	253	-	32,123	-	185	121	6,432
12	Natural resources and extractive industries ..	359	816	1	354	147	1,687	7,490
13	Appliances and utensils ..	-	-	1	-	20	-	119
14	Other metal stamping and pressing .....	642	2	172	149	637	3,320	3,984
16	Railway operating .....	-	15,643	-	178	119	13	438
17	Railroad cars and loco- motives .....	2,267	-	-	1,639	62	-	258
18	Shipbuilding .....	-	5	-	475	-	-	302
19	Pipes and tubes .....	11,664	-	-	-	-	-	55
20	Miscellaneous .....	5	-	289	-	18	284	158
Total domestic shipments		17,740	16,870	34,539	26,812	8,821	32,545	46,008
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	1,771	409	117	785	889	1,205	4,857
ii	Other countries .....	-	-	495	-	-	-	220
Total domestic and export shipments ...		19,511	17,279	35,151	27,597	9,710	33,750	51,085
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Total net shipments		19,511	17,279	35,151	27,597	9,710	33,750	51,085

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
February 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
49	7,977	9,559	203	2,108	10,273	5,275	55,358	4a
1	1,513	2,218	-	-	251	-	6,402	b
-	176	19,426	1,096	1,459	10,140	755	45,334	6
-	1,400	5,468	153	1,158	1,611	814	15,349	7
-	1,132	3,620	253	15	3,275	16,593	29,556	8a
11	278	543	-	-	248	-	5,657	b
-	10,226	2,693	245	84	135	923	51,137	c
-	20	510	5	5	46,238	5	46,795	9
8	6,011	3,066	493	761	4,713	421	20,474	10
3	189	1,158	81	186	614	125	41,470	11
100	924	264	-	19	147	190	12,498	12
-	268	1,808	9	126	8,177	926	11,454	13
-	2,773	5,041	471	272	8,125	951	26,539	14
5,654	570	358	-	-	4	52	23,029	16
-	3,006	1,097	-	5	134	-	8,468	17
-	1,699	44	-	8	30	23	2,586	18
-	30,382	7,870	15,306	-	3,926	530	69,733	19
1	70	-	-	27	778	173	1,803	20
5,827	68,614	64,743	18,315	6,233	98,819	27,756	473,642	
-	-	-	-	-	2,902	-	2,902	5a
-	-	-	-	-	-	-	-	i
								ii
-	7,579	7,025	20	18	7,803	1,772	34,250	5b
-	-	56	-	9	9,736	2,505	13,021	i
								ii
5,827	76,193	71,824	18,335	6,260	119,260	32,033	523,815	
-	-	-	-	-	2,787	-	2,787	
5,827	76,193	71,824	18,335	6,260	116,473	32,033	521,028	



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Two Months Ended February 1967(3)

SDI No.		Ingots and Semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	14	113	29	9,913	3,778	14,333	11,740
b	Other warehouses .....	-	98	1,841	1,573	177	19	528
6	Automotive and aircraft industries .....	2,593	-	1	92	211	-	22,710
7	Agriculture .....	-	-	15	735	1,990	-	7,725
8a	Contractors - Building ...	-	4	148	393	267	7,682	1,013
b	Construction - Public and utility .....	-	181	-	67	68	5,891	533
c	Structural steel fabri- cators .....	363	154	378	27,890	9,401	20,872	6,118
9	Containers .....	-	-	27	-	-	-	64
10	Machinery and tools .....	548	39	1,581	1,155	678	1	6,642
11	Wire, wire products and fasteners .....	1,012	-	63,665	5	419	121	11,925
12	Natural resources and extractive industries ..	628	1,327	14	774	185	1,897	11,118
13	Appliances and utensils ..	-	-	3	-	20	-	168
14	Other metal stamping and pressing .....	767	54	335	290	1,015	7,812	6,598
16	Railway operating .....	-	38,228	25	216	199	13	963
17	Railroad cars and loco- motives .....	5,873	17	-	1,748	105	-	787
18	Shipbuilding .....	-	5	-	743	50	-	405
19	Pipes and tubes .....	17,124	-	218	-	-	-	69
20	Miscellaneous .....	5	-	701	-	23	335	399
Total domestic shipments		28,927	40,220	68,981	45,594	18,586	58,976	89,505
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	3,622	542	214	1,348	1,433	2,995	8,667
ii	Other countries .....	-	-	1,262	-	-	112	394
Total domestic and export shipments ...		32,549	40,762	70,457	46,942	20,019	62,083	98,566
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Total net shipments		32,549	40,762	70,457	46,942	20,019	62,083	98,566

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions for January.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Two Months Ended February 1967(3)

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
98	13,447	17,560	304	4,771	18,591	13,819	108,510	4a
1	2,401	3,925	-	-	281	-	10,844	b
-	541	32,721	2,406	3,145	21,410	1,881	87,711	6
-	2,727	10,127	263	2,423	3,130	1,464	30,599	7
-	1,792	6,716	363	39	5,965	34,816	59,198	8a
11	304	1,025	-	-	441	-	8,521	b
-	19,891	5,986	674	129	683	1,893	94,432	c
-	79	1,001	138	5	88,557	66	89,937	9
43	9,864	6,625	1,005	1,499	11,769	1,027	42,476	10
8	464	2,372	105	438	1,168	285	81,987	11
151	1,837	402	3	61	240	366	19,003	12
-	369	3,098	42	328	18,956	2,289	25,273	13
-	3,901	8,589	704	521	17,378	2,469	50,433	14
8,985	1,428	581	-	-	9	154	50,801	16
-	4,955	2,007	-	5	315	-	15,812	17
-	3,898	161	6	8	30	73	5,379	18
-	52,274	19,356	26,827	-	12,489	894	129,251	19
1	93	-	-	51	1,363	235	3,206	20
9,298	120,265	122,252	32,840	13,423	202,775	61,731	913,373	
-	-	-	-	-	6,267	-	6,267	5a
-	-	-	-	-	-	-	-	i
								ii
2	8,468	10,549	104	21	14,857	3,297	56,119	5b
1	-	1,270	-	21	18,239	5,705	27,004	i
								ii
9,301	128,733	134,071	32,944	13,465	242,138	70,733	1,002,763	
-	-	-	-	51	5,747	-	5,798	
9,301	128,733	134,071	32,944	13,414	236,391	70,733	996,965	



CATALOGUE No.

41-001

MONTHLY

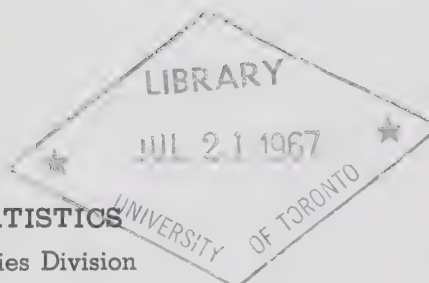
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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	March 1967	Three months ended March 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	29,675	69,907
From foreign mines .....	74,174	192,682
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	459,600	1,224,152
From foreign mines .....	197,785	507,157
From own processing .....	145,205	360,265
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	25,071	69,935
Scrap iron and steel .....	5,407	16,589
Limestone .....	64,688	159,527
Dolomite .....	19,277	59,959
Coke .....	336,772	877,046

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

March

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	559,637	7,774	551,720	3,744
Foundry (including silvery pig)(2) .....	41,475	38,614	40,152	26,318
Malleable .....	45,385	13,114	20,452	14,513
Total pig iron .....	646,497	59,502	612,324	44,575
Ferro-alloys .....	16,148	12,263	17,408	17,143
Stocks of pig iron on hand at end of month ....	217,829		258,327	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Three months ended March

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	1,687,746	21,711	1,428,697	9,275
Foundry (including silvery pig)(2) .....	132,699	60,839	133,690	46,397
Malleable .....	69,237	39,211	42,640	44,767
Total pig iron .....	1,889,682	121,761	1,605,027	100,439
Ferro-alloys .....	45,387	34,552	45,258	47,263

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000 <sup>r</sup>
Total ingots .....	11,716,826 <sup>r</sup>
Steel castings .....	464,400 <sup>r</sup>
Total ingots and castings .....	12,181,226

<sup>r</sup> Revised figures.

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	March		Three months ended March	
	1966	1967	1966	1967
	net tons of 2,000 pounds			
Pig iron .....	549,176	553,187	1,641,200	1,440,598
Scrap - Own make .....	277,018	272,898	747,956	697,624
Purchased .....	190,894	192,709	522,746	535,185
Total pig iron and scrap .....	1,017,088	1,018,794	2,911,902	2,673,407

TABLE 7. Production and Shipments of Steel Ingots and Castings

	March			
	1966	1967	1966	1967
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	767,500	-	765,075	2,311
Electric .....	111,736	10,246	112,201	13,414
Oxygen .....	(2)	-	(2)	(2)
Total steel ingots .....	879,236	10,246	877,276	15,725
Continuous cast steel included in above .....	46,400	(3)	50,282	(3)
Alloy steel ingots included in above .....	78,604	1,128	78,002	1,777
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	-	-
Electric .....	16,760	16,989	15,149	14,534
Other .....	-	-	(4)	(4)
Total steel castings .....	16,760	16,989	15,149	14,534
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	407	393	588	509
Manganese and abrasion resistant .....	2,973	2,789	2,932	2,656
All other alloys .....	931	929	855	846
Total alloy castings .....	4,311	4,111	4,375	4,011

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Confidential.

(4) Included with "Electric".

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Three months ended March

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	2,235,058	680	1,982,065	12,465
Electric .....	296,849	29,409	313,347	32,616
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	2,531,907	30,089	2,295,412	45,081
Continuous cast steel included in above .....	113,619	(3)	141,748	(3)
Alloy steel ingots included in above .....	216,806	4,041	183,006(5)	5,603(5)
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	47,224	44,845	44,990	43,135
Other .....	-	-	(4)	(4)
Total steel castings .....	47,224	44,845	44,990	43,135
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	1,271	1,205	1,565	1,335
Manganese and abrasion resistant .....	8,497	8,386	8,382	7,877
All other alloys .....	3,130	3,124	2,562	2,432
Total alloy castings .....	12,898	12,715	12,509	11,644

(1) Includes amounts for sale and for own use. (2) Included with "Basic open Heart". (3) Confidential.  
(4) Included with "Electric". (5) Includes revisions to date.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	March 1967		Three months ended March 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	6	-	21
Export .....	506	304	2,725	1,485
Automotive and aircraft industries .....	409	3	1,393	11
Agricultural (including implement and equipment manufacturers) .....	168	43	516	110
Construction (including public works, public utilities and structural steel fabricators) ...	104	180	339	494
Machinery and tools .....	1,956	453	5,740	1,365
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	575	1,710	1,566	4,591
Railway operating .....	3,513	570	10,484	1,557
Railroad cars and locomotives .....	3,045	221	8,002	620
Shipbuilding .....	58	41	133	113
Miscellaneous (including grinding balls and railway car wheels) .....	189	480	593	1,277
Totals .....	10,523	4,011	31,491	11,644

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	668,850	15,862	684,712
February .....	530,104	13,712	749,286	13,979	763,265
March .....	612,324	17,408	877,276	15,149	892,425
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					



TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings

March

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	19,361	17,962	23,429	22,032
Over 4 1/2" outside diameter (excluding tubing and casing) .....	16,226	16,521	39,472	35,638
Mechanical and pressure tubing, casing and oil well tubing .....	19,547	15,920	16,397	19,079
Totals .....	55,134	50,403	79,298	76,749
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	120	104	133	132
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	550	575	658	677
Totals .....	670	679	791	809

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings

Three months ended March

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	51,420	52,843	63,372	60,711
Over 4 1/2" outside diameter (excluding tubing and casing) .....	80,465	81,340	81,472	75,417
Mechanical and pressure tubing, casing and oil well tubing .....	61,311	51,938	45,167	49,129
Totals .....	193,196	186,121	190,011	185,257
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	371	369	413	365
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,589	1,663	1,817	1,864
Totals .....	1,960	2,032	2,230	2,229

(1) Included with "Other".

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
March 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
	net tons of 2,000 pounds				
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	31,466	765	43,000	43,000	-
For forging and piercing .....	24,807	-	20,834	-	20,834
Rails .....	20,064	-	17,982	-	17,982
Wire rods .....	36,637	-	34,731	-	34,731
Structural shapes:					
Heavy, including piling .....	43,056	-	36,973	-	36,973
Bar-sized shapes .....	13,273	-	10,847	-	10,847
Concrete reinforcing bars .....	48,985	-	38,078	-	38,078
Other hot rolled bars:					
Flats .....	7,862	-	8,940	)	( 8,940
Other .....	35,693	-	39,655	) 6,516	( 33,139
Tie plates and track material:					
Angle bars .....	1,923	-	1,856	-	1,856
Tie plates .....	3,060	-	2,249	-	2,249
Track spikes .....	460	-	916	-	916
Plates (including plates for pipes and tubes) .....	96,401	-	99,562	-	99,562
Hot rolled sheets .....	191,863	-	183,844	101,877	81,967
Hot rolled strip .....	18,207	-	20,228	1,191	19,037
Total hot rolled products ...	573,757	765	559,695	152,584	407,111
<u>Cold rolled and coated</u>					
Cold finished bars .....	6,858	-	6,536	-	6,536
Cold reduced sheets and strip, tin mill black plate and tin plate .....	189,707	-	216,503	61,392	155,111
Galvanized sheets .....	40,532	-	38,699	-	38,699
Total cold rolled and coated ..	237,097	-	261,738	61,392	200,346
Total carbon steel .....	810,854	765	821,433	213,976	607,457
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	1,713	-	1,713	1,713	-
For forging and piercing .....	5,164	-	5,164	-	5,164
Alloy plates .....	750	-	750	-	750
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	21,347	-	20,635	199	20,436
Cold finished bars .....	606	-	590	-	590
Wire rods .....	354	-	403	-	403
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,374	2,928	9,226	-	9,226
Total alloy steel .....	35,308	2,928	38,481	1,912	36,569

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Three months ended March 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	69,555	765	87,242(1)	87,242(1)	-
For forging and piercing .....	50,409	-	44,818	-	44,818
Rails .....	64,695	-	58,744	-	58,744
Wire rods .....	108,218	-	104,649	-	104,649
Structural shapes:					
Heavy, including piling .....	84,202	-	83,915	-	83,915
Bar-sized shapes .....	35,244	-	30,866	-	30,866
Concrete reinforcing bars .....	128,024	-	100,161	-	100,161
Other hot rolled bars:					
Flats .....	23,858	-	23,733	) 17,063	( 23,733
Other .....	107,614	-	101,986	)	( 84,923
Tie plates and track material:					
Angle bars .....	3,398	-	3,230	-	3,230
Tie plates .....	9,886	-	8,985	-	8,985
Track spikes .....	1,509	-	2,107	-	2,107
Plates (including plates for pipes and tubes) .....	232,248	-	227,517	-	227,517
Hot rolled sheets .....	509,901	-	489,220(1)	270,820	218,400(1)
Hot rolled strip .....	51,747(1)	-	53,601(1)	1,620(1)	51,981
Total hot rolled products ...	1,480,508(1)	765	1,420,774(1)	376,745(1)	1,044,029(1)
<u>Cold rolled and coated</u>					
Cold finished bars .....	19,359	51	18,942(1)	-	18,942(1)
Cold reduced sheets and strip, tin mill black plate and tin plate .....	487,041(1)	-	531,032(1)	148,767(1)	382,265(1)
Galvanized sheets .....	108,458	-	109,432	-	109,432
Total cold rolled and coated ..	614,858(1)	51	659,406(1)	148,767(1)	510,639(1)
Total carbon steel .....	2,095,366(1)	816	2,080,180(1)	525,512(1)	1,554,668(1)
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,986	-	4,986	4,986	-
For forging and piercing .....	13,729	-	13,729	-	13,729
Alloy plates .....	1,528	-	1,528	-	1,528
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	52,948	-	52,812	387	52,425
Cold finished bars .....	1,681	-	1,649	-	1,649
Wire rods .....	866	-	942	-	942
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	18,406	8,675	24,926	-	24,926
Total alloy steel .....	94,144	8,675	100,572	5,373	95,199

(1) Includes revisions to date.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		March 1967		Three months ended March 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	60,887	3,009	168,116(2)	7,368
b	Other warehouses .....	7,528	69	18,087	354
6	Automotive and aircraft industries	38,928	11,176	109,433	28,382
7	Agricultural .....	16,722	282	46,744	859
8a	Contractors - Building .....	34,689	88	93,871	104
b	Construction - Public and utility ..	4,783	16	13,246	74
c	Structural steel fabricators .....	65,167	680	159,294	985
9	Containers .....	78,700	85	168,536	186
10	Machinery and tools .....	24,259	3,121	61,642	8,214
11	Wire, wire products and fasteners ..	41,420	1,453	120,435	4,425
12	Natural resources and extractive industries .....	10,011	1,894	26,852	4,056
13	Appliances and utensils .....	14,874	169	39,811	505
14	Other metal stamping and pressing ..	31,878	1,424	79,758	3,977
16	Railway operating .....	24,653	4	75,454	4
17	Railroad cars and locomotives .....	8,039	106	23,786	171
18	Shipbuilding .....	6,249	18	11,628	18
19	Pipes and tubes .....	88,958	2,967	214,821	6,355
20	Miscellaneous .....	3,199	145	6,177	373
	Total domestic shipments .....	560,944	26,706	1,437,691(2)	66,410
5a	Export - For conversion and return				
i	USA .....	-	3,737	-	10,004
ii	Other countries .....	-	-	-	-
5b	Other export (for final sale)				
i	USA .....	27,973	4,569	74,009	14,652
ii	Other countries .....	18,540	1,557	42,968	4,133
	Total domestic and export shipments .....	607,457	36,569	1,554,668(2)	95,199
	Imports by producers (including conversion) .....	765	2,928	816	8,675
	Total net shipments .....	606,692	33,641	1,553,852(2)	86,524

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request. (2) Includes revisions to date.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
March 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	45	-	134	5,893	1,676	7,174	6,502
b	Other warehouses .....	-	-	256	2,010	352	10	439
6	Automotive and aircraft industries .....	2,704	-	3	248	50	-	16,069
7	Agriculture .....	-	-	21	1,204	913	-	4,655
8a	Contractors - Building ...	-	-	13	434	252	5,778	752
b	Construction - Public and utility .....	-	333	-	127	12	2,962	644
c	Structural steel fabri- cators .....	298	57	158	22,065	5,494	14,701	3,535
9	Containers .....	-	-	6	-	-	-	7
10	Machinery and tools .....	325	33	365	1,106	380	99	3,515
11	Wire, wire products and fasteners .....	919	-	31,450	14	118	155	7,236
12	Natural resources and extractive industries ..	154	266	79	486	81	540	7,403
13	Appliances and utensils ..	-	-	-	68	21	-	127
14	Other metal stamping and pressing .....	475	128	450	230	522	4,472	4,068
16	Railway operating .....	8	16,540	1	46	126	-	1,128
17	Railroad cars and loco- motives .....	2,059	-	-	1,173	74	-	390
18	Shipbuilding .....	-	-	-	855	42	-	190
19	Pipes and tubes .....	17,510	-	101	-	-	-	257
20	Miscellaneous .....	74	-	717	11	3	793	439
Total domestic shipments		24,571	17,357	33,754	35,970	10,116	36,684	57,356
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	1,427	625	208	1,003	731	1,364	4,597
ii	Other countries .....	-	-	1,172	-	-	30	562
Total domestic and export shipments ...		25,998	17,982	35,134	36,973	10,847	38,078	62,515
Imports by producers (in- cluding conversion) ....		765	-	-	-	-	-	-
Total net shipments		25,233	17,982	35,134	36,973	10,847	38,078	62,515

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
March 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
55	11,391	9,257	256	2,286	12,419	6,808	63,896	4a
43	1,772	2,329	45	-	341	-	7,597	b
-	359	16,497	1,030	2,040	10,095	1,009	50,104	6
-	1,444	5,249	569	1,014	1,598	337	17,004	7
-	979	5,153	292	12	2,857	18,255	34,777	8a
-	244	167	6	-	304	-	4,799	b
3	14,989	2,707	121	45	500	1,174	65,847	c
-	-	596	88	3	77,964	121	78,785	9
5	6,384	5,848	845	981	6,905	589	27,380	10
9	345	1,507	80	266	610	164	42,873	11
26	1,937	319	-	5	185	424	11,905	12
-	566	2,685	-	94	10,050	1,432	15,043	13
-	2,926	6,043	919	259	11,051	1,759	33,302	14
4,880	1,892	33	-	-	3	-	24,657	16
-	3,103	981	-	16	169	180	8,145	17
-	4,959	221	-	-	-	-	6,267	18
-	42,529	10,849	14,750	-	5,466	463	91,925	19
-	56	-	5	52	787	407	3,344	20
5,021	95,875	70,441	19,006	7,073	141,304	33,122	587,650	
-	-	-	-	-	3,737	-	3,737	5a
-	-	-	-	-	-	-	-	i
								ii
-	4,437	7,911	31	29	8,247	1,932	32,542	5b
-	-	3,615	-	24	11,049	3,645	20,097	i
								ii
5,021	100,312	81,967	19,037	7,126	164,337	38,699	644,026	
-	-	-	-	-	2,928	-	3,693	
5,021	100,312	81,967	19,037	7,126	161,409	38,699	640,333	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Three months ended March 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	59	113	163	15,806	5,454	21,507	18,242
b	Other warehouses .....	-	98	2,097	3,583	529	29	967
6	Automotive and aircraft industries .....	5,297	-	4	340	261	-	38,779
7	Agriculture .....	-	-	36	1,939	2,903	-	12,380
8a	Contractors - Building ...	-	4	161	827	519	13,460	1,765
b	Construction - Public and utility .....	-	514	-	194	80	8,853	1,177
c	Structural steel fabri- cators .....	661	211	536	49,955	14,895	35,573	9,653
9	Containers .....	-	-	33	-	-	-	71
10	Machinery and tools .....	873	72	1,946	2,261	1,058	100	10,157
11	Wire, wire products and fasteners .....	1,931	-	95,115	19	537	276	19,161
12	Natural resources and extractive industries ..	782	1,593	93	1,260	266	2,437	18,521
13	Appliances and utensils ..	-	-	3	68	41	-	295
14	Other metal stamping and pressing .....	1,242	182	785	520	1,537	12,284	10,666
16	Railway operating .....	8	54,768	26	262	325	13	2,091
17	Railroad cars and loco- motives .....	7,932	17	-	2,921	179	-	1,177
18	Shipbuilding .....	-	5	-	1,598	92	-	595
19	Pipes and tubes .....	34,634	-	319	-	-	-	326
20	Miscellaneous .....	79	-	1,418	11	26	1,128	838
Total domestic shipments		53,498	57,577	102,735	81,564	28,702	95,660	146,861
5a	Export - For conversion and return							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	5,049	1,167	422	2,351	2,164	4,359	13,264
ii	Other countries .....	-	-	2,434	-	-	142	956
Total domestic and export shipments ...		58,547	58,744	105,591	83,915	30,866	100,161	161,081
Imports by producers (in- cluding conversion) ....		765	-	-	-	-	-	-
Total net shipments		57,782	58,744	105,591	83,915	30,866	100,161	161,081

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Three months ended March 1967.

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets(3)	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2, 3)	Gal- vanized sheets	Total(3)	SDI No.
153	24,838	29,179	560	7,057	31,726	20,627	175,484	4a
44	4,173	6,254	45	-	622	-	18,441	b
-	900	49,218	3,436	5,185	31,505	2,890	137,815	6
-	4,171	15,376	832	3,437	4,728	1,801	47,603	7
-	2,771	11,869	655	51	8,822	53,071	93,975	8a
11	548	1,192	6	-	745	-	13,320	b
3	34,880	8,693	795	174	1,183	3,067	160,279	c
-	79	1,597	226	8	166,521	187	168,722	9
48	16,248	12,473	1,850	2,480	18,674	1,616	69,856	10
17	809	3,879	185	704	1,778	449	124,860	11
177	3,774	721	3	66	425	790	30,908	12
-	935	5,783	42	422	29,006	3,721	40,316	13
-	6,827	14,632	1,623	780	28,429	4,228	83,735	14
13,865	3,320	614	-	-	12	154	75,458	16
-	8,058	2,988	-	21	484	180	23,957	17
-	8,857	382	6	8	30	73	11,646	18
-	94,803	30,205	41,577	-	17,955	1,357	221,176	19
1	149	-	5	103	2,150	642	6,550	20
14,319	216,140	195,055	51,846	20,496	344,795	94,853	1,504,101	
-	-	-	-	-	10,004	-	10,004	5a
-	-	-	-	-	-	-	-	i
								ii
								5b
2	12,905	18,460	135	50	23,104	5,229	88,661	i
1	-	4,885	-	45	29,288	9,350	47,101	ii
14,322	229,045	218,400	51,981	20,591	407,191	109,432	1,649,867	
-	-	-	-	51	8,675	-	9,491	
14,322	229,045	218,400	51,981	20,540	398,516	109,432	1,640,376	

(3) Includes revisions to date, for item 4a and all totals.



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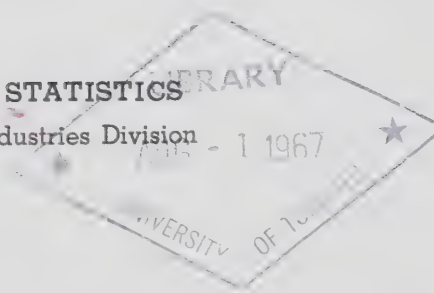


# PRIMARY IRON AND STEEL

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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	April 1967	Four months ended April 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	45,936	115,843
From foreign mines .....	67,854	260,536
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	415,762	1,639,914
From foreign mines .....	242,017	749,174
From own processing .....	125,858	486,123
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	25,588	95,523
Scrap iron and steel .....	5,443	22,032
Limestone .....	68,671	228,198
Dolomite .....	24,930	84,889
Coke .....	335,755	1,212,801

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

April

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	544,688	7,633	547,201	2,609
Foundry (including silvery pig)(2) .....	34,891	73,683	45,172	50,452
Malleable .....	20,224	12,076	11,968	24,922
Total pig iron .....	599,803	93,392	604,341	77,983
Ferro-alloys .....	14,928	15,237	14,224	13,916
Stocks of pig iron on hand at end of month ....	193,942		272,227	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Four Months Ended April

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	2,232,434	29,344	1,975,898	11,884
Foundry (including silvery pig)(2) .....	167,590	134,522	178,862	96,849
Malleable .....	89,461	51,287	54,608	69,689
Total pig iron .....	2,489,485	215,153	2,209,368	178,422
Ferro-alloys .....	60,315	49,789	59,482	61,179

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	April		Four months ended April	
	1966	1967	1966	1967
	net tons of 2,000 pounds			
Pig iron .....	527,639	542,897	2,168,839	1,983,495
Scrap - Own make .....	277,158	266,680	1,025,114	964,304
Purchased .....	166,831	188,089	689,577	723,274
Total pig iron and scrap .....	971,628	997,666	3,883,530	3,671,073

TABLE 7. Production and Shipments of Steel Ingots and Castings

	April			
	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	749,470	12,316	742,608	5,696
Electric .....	95,725	18,746	109,834	11,975
Oxygen .....	(2)	(2)	(2)	-
Total steel ingots .....	845,195	31,062	852,442	17,671
Continuous cast steel included in above .....	37,426	(3)	55,991	(3)
Alloy steel ingots included in above .....	71,145	922	74,352	1,848
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	-	-
Electric .....	15,723	14,224	13,470	12,434
Other .....	-	-	(4)	(4)
Total steel castings .....	15,723	14,224	13,470	12,434
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	541	492	404	410
Manganese and abrasion resistant .....	2,558	2,461	2,993	3,004
All other alloys .....	1,050	1,067	811	633
Total alloy castings .....	4,149	4,020	4,208	4,047

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Confidential.

(4) Included with "electric".

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Four Months Ended April

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	2,984,528	12,996	2,724,673	18,161
Electric .....	392,574	48,155	423,181	44,591
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	3,377,102	61,151	3,147,854	62,752
Continuous cast steel included in above .....	151,045	(4)	197,739	(4)
Alloy steel ingots included in above .....	287,951	4,963	257,358	7,451
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	62,947	59,069	58,460	55,569
Other .....	-	-	(3)	(3)
Total steel castings .....	62,947	59,069	58,460	55,569
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	1,812	1,697	1,969	1,745
Manganese and abrasion resistant .....	11,055	10,847	11,375	10,881
All other alloys .....	4,180	4,191	3,373	3,065
Total alloy castings .....	17,047	16,735	16,717	15,691

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "electric".

(4) Confidential.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	April 1967		Four months ended April 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	10	-	31
Export .....	552	371	3,277	1,856
Automotive and aircraft industries .....	427	-	1,820	11
Agricultural (including implement and equipment manufacturers) .....	101	60	617	170
Construction (including public works, public utilities and structural steel fabricators) ...	132	223	471	717
Machinery and tools .....	1,834	655	7,574	2,020
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	626	1,732	2,192	6,323
Railway operating .....	2,632	394	13,116	1,951
Railroad cars and locomotives .....	1,887	139	9,889	759
Shipbuilding .....	30	13	163	126
Miscellaneous (including grinding balls and railway car wheels) .....	166	450	759	1,727
Totals .....	8,387	4,047	39,878	15,691

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	668,850(1)	15,862(1)	684,712(1)
February .....	530,104	13,712	749,286	13,979	763,265
March .....	612,324	17,408	877,276	15,149	892,425
April .....	604,341	14,224	852,442	13,470	865,912
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

(1) Includes revisions for January.

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
April

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	19,927	18,728	21,029	20,362
Over 4 1/2" outside diameter (excluding tubing and casing) .....	36,563	29,086	34,464	32,701
Mechanical and pressure tubing, casing and oil well tubing .....	13,011	10,116	11,649	12,089
Totals .....	69,501	57,930	67,142	65,152
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	139	125	107	108
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	543	652	586	557
Totals .....	682	777	693	665

(1) Included with "other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Four Months Ended April

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	71,347	71,571	84,401	81,073
Over 4 1/2" outside diameter (excluding tubing and casing) .....	117,028	110,426	115,936	108,118
Mechanical and pressure tubing, casing and oil well tubing .....	74,322	62,054	56,816	61,218
Totals .....	262,697	244,051	257,153	250,409
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	510	494	520	473
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	2,132	2,315	2,403	2,421
Totals .....	2,642	2,809	2,923	2,894

(1) Included with "other".

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
April 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	38,115	722	69,909	69,909	-
For forging and piercing .....	1,950	-	8,446	-	8,446
Rails .....	23,789	-	30,331	-	30,331
Wire rods .....	33,004	-	34,117	-	34,117
Structural shapes:					
Heavy, including piling .....	41,482	-	39,964	-	39,964
Bar-sized shapes .....	9,908	-	10,889	-	10,889
Concrete reinforcing bars .....	42,322	-	40,140	-	40,140
Other hot rolled bars:					
Flats .....	9,268	-	8,581	) 5,119	( 40,261
Other .....	38,031	-	36,799	)	(
Tie plates and track material:					
Angle bars .....	2,621	-	1,829	-	1,829
Tie plates .....	6,776	-	5,882	-	5,882
Track spikes .....	1,272	-	741	-	741
Plates (including plates for pipes and tubes) .....	98,563	-	96,577	-	96,577
Hot rolled sheets .....	169,840	-	171,265	101,255	70,010
Hot rolled strip .....	27,796	-	27,576	942	26,634
Total hot rolled products ...	544,737	722	583,046	177,225	405,821
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,420	-	5,692	-	5,692
Cold reduced sheets and strip, tin mill black plate and tin plate .....	165,240	-	144,479	48,866	95,613
Galvanized sheets .....	42,785	-	42,615	-	42,615
Total cold rolled and coated ..	213,445	-	192,786	48,866	143,920
Total carbon steel .....	758,182	722	775,832	226,091	549,741
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	2,354	-	2,354	2,354	-
For forging and piercing .....	2,409	-	2,409	-	2,409
Alloy plates .....	1,023	-	1,023	-	1,023
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	23,155	-	19,254	86	19,168
Cold finished bars .....	563	-	553	-	553
Wire rods .....	427	-	427	-	427
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	6,266	2,485	8,011	-	8,011
Total alloy steel .....	36,197	2,485	34,031	2,440	31,591

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Four Months Ended April 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	107,670	1,487	157,151	157,151	-
For forging and piercing .....	52,359	-	53,264	-	53,264
Rails .....	88,484	-	89,075	-	89,075
Wire rods .....	141,222	-	138,766	-	138,766
Structural shapes:					
Heavy, including piling .....	125,684	-	123,879	-	123,879
Bar-sized shapes .....	45,152	-	41,755	-	41,755
Concrete reinforcing bars .....	170,346	-	140,301	-	140,301
Other hot rolled bars:					
Flats .....	33,126	-	32,314	)	(
Other .....	145,645	-	138,785	) 22,182	( 148,917
Tie plates and track material:					
Angle bars .....	6,019	-	5,059	-	5,059
Tie plates .....	16,662	-	14,867	-	14,867
Track spikes .....	2,781	-	2,848	-	2,848
Plates (including plates for pipes and tubes) .....	330,811	-	324,094	-	324,094
Hot rolled sheets .....	679,741	-	660,485	372,075	288,410
Hot rolled strip .....	79,543	-	81,177	2,562	78,615
Total hot rolled products ...	2,025,245	1,487	2,003,820	553,970	1,449,850
<u>Cold rolled and coated</u>					
Cold finished bars .....	24,779	51	24,634	-	24,634
Cold reduced sheets and strip, tin mill black plate and tin plate .....	652,281	-	675,511	197,633	477,878
Galvanized sheets .....	151,243	-	152,047	-	152,047
Total cold rolled and coated ..	828,303	51	852,192	197,633	654,559
Total carbon steel .....	2,853,548	1,538	2,856,012	751,603	2,104,409
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	7,340	-	7,340	7,340	-
For forging and piercing .....	16,138	-	16,138	-	16,138
Alloy plates .....	2,551	-	2,551	-	2,551
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	76,103	-	72,066	473	71,593
Cold finished bars .....	2,244	-	2,202	-	2,202
Wire rods .....	1,293	-	1,369	-	1,369
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	24,672	11,160	32,937	-	32,937
Total alloy steel .....	130,341	11,160	134,603	7,813	126,790



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		April 1967		Four months ended April 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	64,711	2,519	232,827	9,887
b	Other warehouses .....	5,353	-	23,440	354
6	Automotive and aircraft industries	31,959	13,591	141,392	41,973
7	Agricultural .....	14,840	286	61,584	1,145
8a	Contractors - Building .....	34,348	6	128,219	110
b	Construction - Public and utility ..	3,238	-	16,484	74
c	Structural steel fabricators .....	68,627	715	227,921	1,700
9	Containers .....	28,355	27	196,891	213
10	Machinery and tools .....	21,891	2,362	83,533	10,576
11	Wire, wire products and fasteners ..	42,218	1,038	162,653	5,463
12	Natural resources and extractive industries .....	12,155	1,274	39,007	5,330
13	Appliances and utensils .....	13,837	175	53,648	680
14	Other metal stamping and pressing ..	28,701	1,140	108,459	5,117
16	Railway operating .....	38,791	-	114,245	4
17	Railroad cars and locomotives .....	8,282	121	32,068	292
18	Shipbuilding .....	6,928	1	18,556	19
19	Pipes and tubes .....	79,557	1,177	294,378	7,532
20	Miscellaneous .....	2,104	134	8,281	507
	Total domestic shipments .....	505,895	24,566	1,943,586	90,976
5a	Export - For conversion and return				
i	USA .....	21	3,058	21	13,062
ii	Other countries .....	19	-	19	-
5b	Other export (for final sale)				
i	USA .....	26,702	2,868	100,711	17,520
ii	Other countries .....	17,104	1,099	60,072	5,232
	Total domestic and export shipments .....	549,741	31,591	2,104,409	126,790
	Imports by producers (including conversion) .....	722	2,485	1,538	11,160
	Total net shipments .....	549,019	29,106	2,102,871	115,630

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
April 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	15	78	-	7,106	1,801	7,484	6,407
b	Other warehouses .....	-	144	- 650(3)	1,518	281	-	240
6	Automotive and aircraft industries .....	2,882	-	-	343	102	-	14,281
7	Agriculture .....	-	-	6	873	836	-	4,678
8a	Contractors - Building ...	-	-	-	1,023	42	6,389	448
b	Construction - Public and utility .....	-	-	-	149	11	1,650	271
c	Structural steel fabri- cators .....	6	7	65	22,723	5,599	15,699	4,510
9	Containers .....	-	-	-	-	-	-	155
10	Machinery and tools .....	219	109	878	1,122	311	620	3,018
11	Wire, wire products and fasteners .....	448	-	31,939	-	136	184	7,415
12	Natural resources and extractive industries ..	648	1,018	-	536	124	411	7,688
13	Appliances and utensils ..	-	-	-	40	9	-	86
14	Other metal stamping and pressing .....	237	56	367	364	626	5,860	3,148
16	Railway operating .....	50	27,728	-	221	90	-	562
17	Railroad cars and loco- motives .....	2,436	-	-	480	15	-	477
18	Shipbuilding .....	-	-	-	1,580	-	-	113
19	Pipes and tubes .....	3,699	-	-	-	-	-	39
20	Miscellaneous .....	102	198	350	190	30	311	204
	Total domestic shipments	10,742	29,338	32,955	38,268	10,013	38,608	53,740
5a	Export - For conversion and return							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	113	993	143	1,696	876	1,498	5,448
ii	Other countries .....	-	-	1,446	-	-	34	241
	Total domestic and export shipments ...	10,855	30,331	34,544	39,964	10,889	40,140	59,429
	Imports by producers (in- cluding conversion) ....	722	-	-	-	-	-	-
	Total net shipments	10,133	30,331	34,544	39,964	10,889	40,140	59,429

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.  
(3) Includes adjustment January to March.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
April 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
29	12,445	9,936	109	2,070	11,731	8,019	67,230	4a
8	2,016	1,357	130	-	309	-	5,353	b
-	270	13,651	1,298	1,872	9,560	1,291	45,550	6
-	1,121	4,744	169	739	1,725	235	15,126	7
-	1,153	3,825	92	56	2,888	18,438	34,354	8a
-	180	614	-	-	363	-	3,238	b
1	14,346	3,142	460	58	472	2,254	69,342	c
-	3	339	63	-	27,623	199	28,382	9
8	5,709	4,198	363	830	6,105	763	24,253	10
3	327	1,331	60	179	1,106	128	43,256	11
126	1,435	352	10	7	252	822	13,429	12
-	833	2,684	23	153	8,966	1,218	14,012	13
4	2,640	2,945	1,151	273	10,797	1,373	29,841	14
8,258	1,429	402	-	-	7	44	38,791	16
1	4,089	473	-	6	234	192	8,403	17
-	4,943	232	-	-	25	36	6,929	18
-	40,233	9,309	22,619	-	4,142	693	80,734	19
-	103	3	47	-	639	61	2,238	20
8,438	93,275	59,537	26,594	6,243	86,944	35,766	530,461	
-	-	-	21	-	3,058	-	3,079	5a
-	-	-	19	-	-	-	19	i
								ii
								5b
14	4,325	6,278	-	1	6,394	1,791	29,570	i
-	-	4,195	-	1	7,228	5,058	18,203	ii
8,452	97,600	70,010	26,634	6,245	103,624	42,615	581,332	
-	-	-	-	-	2,485	-	3,207	
8,452	97,600	70,010	26,634	6,245	101,139	42,615	578,125	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Four Months Ended April 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	74	191	163	22,912	7,255	28,991	24,649
b	Other warehouses .....	-	242	1,447(3)	5,101	810	29	1,207
6	Automotive and aircraft industries .....	8,179	-	4	683	363	-	53,060
7	Agriculture .....	-	-	42	2,812	3,739	-	17,058
8a	Contractors - Building ...	-	4	161	1,850	561	19,849	2,213
b	Construction - Public and utility .....	-	514	-	343	91	10,503	1,448
c	Structural steel fabri- cators .....	667	218	601	72,678	20,494	51,272	14,163
9	Containers .....	-	-	33	-	-	-	226
10	Machinery and tools .....	1,092	181	2,824	3,383	1,369	720	13,175
11	Wire, wire products and fasteners .....	2,379	-	127,054	19	673	460	26,576
12	Natural resources and extractive industries ..	1,430	2,611	93	1,796	390	2,848	26,209
13	Appliances and utensils ..	-	-	3	108	50	-	381
14	Other metal stamping and pressing .....	1,479	238	1,152	884	2,163	18,144	13,814
16	Railway operating .....	58	82,496	26	483	415	13	2,653
17	Railroad cars and loco- motives .....	10,368	17	-	3,401	194	-	1,654
18	Shipbuilding .....	-	5	-	3,178	92	-	708
19	Pipes and tubes .....	38,333	-	319	-	-	-	365
20	Miscellaneous .....	181	198	1,768	201	56	1,439	1,042
	Total domestic shipments	64,240	86,915	135,690	119,832	38,715	134,268	200,601
5a	Export - For conversion and return							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	5,162	2,160	565	4,047	3,040	5,857	18,712
ii	Other countries .....	-	-	3,880	-	-	176	1,197
	Total domestic and export shipments ...	69,402	89,075	140,135	123,879	41,755	140,301	220,510
	Imports by producers (in- cluding conversion) ....	1,487	-	-	-	-	-	-
	Total net shipments	67,915	89,075	140,135	123,879	41,755	140,301	220,510

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.  
(3) Includes adjustment January to March.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Four Months Ended April 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
182	37,283	39,115	669	9,127	43,457	28,646	242,714	4a
52	6,189	7,611	175	-	931	-	23,794	b
-	1,170	62,869	4,734	7,057	41,065	4,181	183,365	6
-	5,292	20,120	1,001	4,176	6,453	2,036	62,729	7
-	3,924	15,694	747	107	11,710	71,509	128,329	8a
11	728	1,806	6	-	1,108	-	16,558	b
4	49,226	11,835	1,255	232	1,655	5,321	229,621	c
-	82	1,936	289	8	194,144	386	197,104	9
56	21,957	16,671	2,213	3,310	24,779	2,379	94,109	10
20	1,136	5,210	245	883	2,884	577	168,116	11
303	5,209	1,073	13	73	677	1,612	44,337	12
-	1,768	8,467	65	575	37,972	4,939	54,328	13
4	9,467	17,577	2,774	1,053	39,226	5,601	113,576	14
22,123	4,749	1,016	-	-	19	198	114,249	16
1	12,147	3,461	-	27	718	372	32,360	17
-	13,800	614	6	8	55	109	18,575	18
-	135,036	39,514	64,196	-	22,097	2,050	301,910	19
1	252	3	52	103	2,789	703	8,788	20
22,757	309,415	254,592	78,440	26,739	431,739	130,619	2,034,562	
-	-	-	21	-	13,062	-	13,083	5a
-	-	-	19	-	-	-	19	i
								ii
								5b
16	17,230	24,738	135	51	29,498	7,020	118,231	i
1	-	9,080	-	46	36,516	14,408	65,304	ii
22,774	326,645	288,410	78,615	26,836	510,815	152,047	2,231,199	
-	-	-	-	51	11,160	-	12,698	
22,774	326,645	288,410	78,615	26,785	499,655	152,047	2,218,501	





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## MAY 1967

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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	May 1967	Five months ended May 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	65,194	181,037
From foreign mines .....	62,937	323,473
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	387,079	2,026,993
From foreign mines .....	244,018	993,192
From own processing .....	117,012	603,135
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	26,060	121,583
Scrap iron and steel .....	10,744	32,776
Limestone .....	65,941	294,139
Dolomite .....	30,450	115,339
Coke .....	330,091	1,542,892

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

May

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	568,758	8,144	551,851	4,492
Foundry (including silvery pig) (2) .....	34,754	26,884	44,584	66,854
Malleable .....	20,164	15,345	20,114	17,804
Total pig iron .....	623,676	50,373	616,549	89,150
Ferro-alloys .....	16,202	12,891	16,663	13,840
Stocks of pig iron on hand at end of month ....	202,510		264,744	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Five Months Ended May

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	2,801,192	37,488	2,527,749	16,376
Foundry (including silvery pig) (2) .....	202,344	161,406	223,446	163,703
Malleable .....	109,625	66,632	74,722	87,493
Total pig iron .....	3,113,161	265,526	2,825,917	267,572
Ferro-alloys .....	76,517	62,680	76,145	75,019

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	May		Five months ended May	
	1966	1967	1966	1967
	net tons of 2,000 pounds			
Pig iron .....	557,604	534,454	2,726,443	2,517,949
Scrap - Own make .....	274,060	299,633	1,299,174	1,263,937
Purchased .....	198,305	199,304	887,882	929,122(1)
Total pig iron and scrap .....	1,029,969	1,033,391	4,913,499	4,711,008(1)

(1) Includes revisions to date.

TABLE 7. Production and Shipments of Steel Ingots and Castings

	May			
	1966	1967	1966	1967
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	788,790	18,545	786,455	18,215
Electric .....	106,868	11,049	104,209	11,392
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	895,658	29,594	890,664	29,607
Continuous cast steel included in above .....	41,283	(3)	59,174	(3)
Alloy steel ingots included in above .....	55,680	1,645	48,924	1,387
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	(4)	-
Electric .....	16,820	15,455	13,514	11,898
Other .....	-	-	(4)	(4)
Total steel castings .....	16,820	15,455	13,514	11,898
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	542	451	506	479
Manganese and abrasion resistant .....	2,554	2,405	2,666	2,672
All other alloys .....	1,009	1,069	790	713
Total alloy castings .....	4,105	3,925	3,962	3,864

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Confidential.

(4) Included with "Electric".

Note: High alloy castings include all castings with an alloy content of 8% and over.



TABLE 8. Production and Shipments of Steel Ingots and Castings  
Five Months Ended May

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	3,773,318	31,541	3,511,128	36,376
Electric .....	499,442	59,204	533,391(5)	55,983
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	4,272,760	90,745	4,044,519(5)	92,359
Continuous cast steel included in above .....	192,328	(3)	262,914(5)	(3)
Alloy steel ingots included in above .....	343,631	6,608	310,291(5)	7,213(5)
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	79,767	74,524	73,966(5)	69,092(5)
Other .....	-	-	(4)	(4)
Total steel castings .....	79,767	74,524	73,966(5)	69,092(5)
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	2,354	2,148	2,475	2,224
Manganese and abrasion resistant .....	13,609	13,252	14,041	13,553
All other alloys .....	5,189	5,260	4,163	3,778
Total alloy castings .....	21,152	20,660	20,679	19,555

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Confidential.  
(4) Included with "Electric". (5) Includes revisions to date.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	May 1967		Five months ended May 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	5	-	36
Export .....	522	175	3,799	2,031
Automotive and aircraft industries .....	348	-	2,168	11
Agricultural (including implement and equipment manufacturers) .....	105	59	722	229
Construction (including public works, public utilities and structural steel fabricators) ...	114	225	585	942
Machinery and tools .....	1,801	687	9,375	2,707
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,079	1,625	4,896(2)	7,948
Railway operating .....	2,434	436	15,550	2,387
Railroad cars and locomotives .....	1,377	107	11,266	866
Shipbuilding .....	45	14	208	140
Miscellaneous (including grinding balls and railway car wheels) .....	197	543	956	2,270
Totals .....	8,022	3,876	49,525(2)	19,567

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

(2) Includes revisions to date.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	670,218 <sup>r</sup>	16,341 <sup>r</sup>	686,559 <sup>r</sup>
February .....	530,104	13,712	750,969 <sup>r</sup>	14,433 <sup>r</sup>	765,402 <sup>r</sup>
March .....	612,324	17,408	879,153 <sup>r</sup>	15,655 <sup>r</sup>	894,808 <sup>r</sup>
April .....	604,341	14,224	853,515 <sup>r</sup>	14,023 <sup>r</sup>	867,538 <sup>r</sup>
May .....	616,549	16,663	890,664	13,514	904,178
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

<sup>r</sup> Revised figures.

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
May

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	23,982	23,144	26,737	26,419
Over 4 1/2" outside diameter (excluding tubing and casing) .....	31,346	22,019	41,948	40,718
Mechanical and pressure tubing, casing and oil well tubing .....	13,144	15,618	9,831	11,115
Totals .....	68,472	60,781	78,516	78,252
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	154	138	87	85
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	618	505	464	524
Totals .....	772	643	551	609

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Five Months Ended May

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	95,329	94,715	115,115(1)	110,048(1)
Over 4 1/2" outside diameter (excluding tubing and casing) .....	148,374	132,445	157,884	148,836
Mechanical and pressure tubing, casing and oil well tubing .....	87,466	77,672	67,737(1)	73,231(1)
Totals .....	331,169	304,832	340,736(1)	332,115(1)
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	664	632	607	558
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	2,750	2,820	2,867	2,945
Totals .....	3,414	3,452	3,474	3,503

(1) Includes revisions to date.

(2) Included with "Other".

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
May 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	37,976	-	71,920	68,146	3,774
For forging and piercing .....	10,067	-	12,189	-	12,189
Rails .....	26,660	-	27,203	-	27,203
Wire rods .....	39,544	-	39,114	-	39,114
Structural shapes:					
Heavy, including piling .....	39,241	-	37,086	-	37,086
Bar-sized shapes .....	10,955	-	11,023	-	11,023
Concrete reinforcing bars .....	47,765	-	42,439	-	42,439
Other hot rolled bars:					
Flats .....	9,124	-	9,273	) 5,660	( 43,882
Other .....	41,978	-	40,269	)	(
Tie plates and track material:					
Angle bars .....	1,210	-	1,638	-	1,638
Tie plates .....	3,821	-	3,643	-	3,643
Track spikes .....	1,784	-	1,865	-	1,865
Plates (including plates for pipes and tubes) .....	83,109	-	87,319	-	87,319
Hot rolled sheets .....	172,448	-	192,741	109,756	82,985
Hot rolled strip .....	24,984	-	26,113	774	25,339
Total hot rolled products ...	550,666	-	603,835	184,336	419,499
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,877	-	5,897	-	5,897
Cold reduced sheets and strip, tin mill black plate and tin plate .....	184,545	-	166,616	55,408	111,208
Galvanized sheets .....	49,626	-	50,732	-	50,732
Total cold rolled and coated ..	240,048	-	223,245	55,408	167,837
Total carbon steel .....	790,714	-	827,080	239,744	587,336
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	1,059	-	1,059	1,059	-
For forging and piercing .....	2,764	-	2,764	-	2,764
Alloy plates .....	2,470	-	2,470	-	2,470
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	20,542	-	18,708	55	18,653
Cold finished bars .....	572	-	563	-	563
Wire rods .....	325	-	325	-	325
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,154	2,025	4,894	-	4,894
Total alloy steel .....	32,886	2,025	30,783	1,114	29,669



TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Five Months Ended May 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	145,646	1,487	229,071	225,297	3,774
For forging and piercing .....	62,426	-	65,453	-	65,453
Rails .....	115,144	-	116,278	-	116,278
Wire rods .....	180,766	-	177,880	-	177,880
Structural shapes:					
Heavy, including piling .....	164,925	-	160,965	-	160,965
Bar-sized shapes .....	56,107	-	52,778	-	52,778
Concrete reinforcing bars .....	218,111	-	182,740	-	182,740
Other hot rolled bars:					
Flats .....	42,250	-	41,587	) 27,842	( 192,799
Other .....	187,623	-	179,054	)	(
Tie plates and track material:					
Angle bars .....	7,229	-	6,697	-	6,697
Tie plates .....	20,483	-	18,510	-	18,510
Track spikes .....	4,565	-	4,713	-	4,713
Plates (including plates for pipes and tubes) .....	413,920	-	411,413	-	411,413
Hot rolled sheets .....	852,189	-	853,226	481,831	371,395
Hot rolled strip .....	104,527	-	107,290	3,336	103,954
Total hot rolled products ...	2,575,911	1,487	2,607,655	738,306	1,869,349
<u>Cold rolled and coated</u>					
Cold finished bars .....	30,656	51	30,531	-	30,531
Cold reduced sheets and strip, tin mill black plate and tin plate .....	836,826	-	842,127	253,041	589,086
Galvanized sheets .....	200,869	-	202,779	-	202,779
Total cold rolled and coated ..	1,068,351	51	1,075,437	253,041	822,396
Total carbon steel .....	3,644,262	1,538	3,683,092	991,347	2,691,745
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	8,399	-	8,399	8,399	-
For forging and piercing .....	18,902	-	18,902	-	18,902
Alloy plates .....	5,021	-	5,021	-	5,021
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	96,645	-	90,774	528	90,246
Cold finished bars .....	2,816	-	2,765	-	2,765
Wire rods .....	1,618	-	1,694	-	1,694
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	29,826	13,185	37,831	-	37,831
Total alloy steel .....	163,227	13,185	165,386	8,927	156,459



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		May 1967		Five months ended May 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	67,361	2,734	300,188	12,621
b	Other warehouses .....	6,988	62	30,428	416
6	Automotive and aircraft industries	50,070	10,740	191,462	52,713
7	Agricultural .....	16,228	234	77,812	1,379
8a	Contractors - Building .....	39,729	4	167,948	114
b	Construction - Public and utility ..	4,825	6	21,309	80
c	Structural steel fabricators .....	69,682	1,661	297,603	3,361
9	Containers .....	30,379	8	227,270	221
10	Machinery and tools .....	22,897	2,571	106,430	13,147
11	Wire, wire products and fasteners ..	44,946	1,405	207,599	6,868
12	Natural resources and extractive industries .....	13,515	2,363	52,522	7,693
13	Appliances and utensils .....	10,935	728	64,583	1,408
14	Other metal stamping and pressing ..	33,534	433	141,993	5,550
16	Railway operating .....	30,765	-	145,010	4
17	Railroad cars and locomotives .....	9,736	26	41,804	318
18	Shipbuilding .....	8,707	362	27,263	381
19	Pipes and tubes .....	68,440	136	362,818	7,668
20	Miscellaneous .....	2,443	76	10,724	583
	Total domestic shipments .....	531,180	23,549	2,474,766	114,525
5a	Export - For conversion and return				
i	USA .....	-	438	21	13,500
ii	Other countries .....	-	-	19	-
5b	Other export (for final sale)				
i	USA .....	25,619	4,266	126,330	21,786
ii	Other countries .....	30,537	1,416	90,609	6,648
	Total domestic and export shipments .....	587,336	29,669	2,691,745	156,459
	Imports by producers (including conversion) .....	-	2,025	1,538	13,185
	Total net shipments .....	587,336	27,644	2,690,207	143,274

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
May 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	48	5	13	5,088	2,290	8,922	8,757
b	Other warehouses .....	-	136	-	1,793	126	-	440
6	Automotive and aircraft industries .....	6,072	-	-	327	158	51	16,027
7	Agriculture .....	-	-	32	595	907	-	5,246
8a	Contractors - Building ...	-	1	-	702	169	7,642	773
b	Construction - Public and utility .....	-	103	-	297	5	3,052	492
c	Structural steel fabri- cators .....	75	84	446	21,126	5,326	13,138	3,698
9	Containers .....	-	-	-	-	-	-	110
10	Machinery and tools .....	508	11	783	1,080	338	29	2,788
11	Wire, wire products and fasteners .....	287	-	35,344	-	96	293	6,444
12	Natural resources and extractive industries ..	695	1,876	-	623	156	324	8,652
13	Appliances and utensils ..	-	-	14	88	33	-	659
14	Other metal stamping and pressing .....	217	73	140	209	519	8,126	2,631
16	Railway operating .....	10	23,617	-	267	63	-	548
17	Railroad cars and loco- motives .....	2,053	-	-	2,684	50	-	484
18	Shipbuilding .....	-	45	-	1,175	37	-	120
19	Pipes and tubes .....	3,329	-	-	-	-	-	-
20	Miscellaneous .....	-	-	910	3	11	611	387
Total domestic shipments		13,294	25,951	37,682	36,057	10,284	42,188	58,256
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	5,433	1,252	315	1,029	739	251	3,524
ii	Other countries .....	-	-	1,442	-	-	-	755
Total domestic and export shipments ...		18,727	27,203	39,439	37,086	11,023	42,439	62,535
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Total net shipments		18,727	27,203	39,439	37,086	11,023	42,439	62,535

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
May 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
96	9,981	10,771	266	2,331	11,676	9,851	70,095	4a
20	2,080	1,832	152	-	471	-	7,050	b
-	586	19,014	1,586	1,603	13,695	1,691	60,810	6
-	1,014	5,465	149	836	1,926	292	16,462	7
-	992	3,816	134	4	3,884	21,616	39,733	8a
4	84	522	-	-	272	-	4,831	b
-	20,141	3,256	667	44	432	2,910	71,343	c
-	84	430	167	-	29,459	137	30,387	9
9	5,493	5,858	481	877	6,570	643	25,468	10
830	77	1,309	21	293	1,189	168	46,351	11
138	2,135	269	4	34	406	566	15,878	12
-	428	1,345	51	127	7,123	1,795	11,663	13
-	2,339	6,071	541	292	10,657	2,152	33,967	14
6,024	175	61	-	-	-	-	30,765	16
-	3,789	563	-	-	138	1	9,762	17
-	7,188	332	-	-	18	154	9,069	18
-	30,079	8,801	21,068	-	4,512	787	68,576	19
13	109	38	-	9	401	27	2,519	20
7,134	86,774	69,753	25,287	6,450	92,829	42,790	554,729	
-	-	-	-	-	438	-	438	5a
-	-	-	-	-	-	-	-	i ii
12	3,015	4,318	52	1	8,063	1,881	29,885	5b i
-	-	8,914	-	9	14,772	6,061	31,953	ii
7,146	89,789	82,985	25,339	6,460	116,102	50,732	617,005	
-	-	-	-	-	2,025	-	2,025	
7,146	89,789	82,985	25,339	6,460	114,077	50,732	614,980	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Five Months Ended May 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	122	196	176	28,000	9,545	37,913	33,406
b	Other warehouses .....	-	378	1,447	6,894	936	29	1,647
6	Automotive and aircraft industries .....	14,251	-	4	1,010	521	51	69,087
7	Agriculture .....	-	-	74	3,407	4,646	-	22,304
8a	Contractors - Building ...	-	5	161	2,552	730	27,491	2,986
b	Construction - Public and utility .....	-	617	-	640	96	13,555	1,940
c	Structural steel fabri- cators .....	742	302	1,047	93,804	25,820	64,410	17,861
9	Containers .....	-	-	33	-	-	-	336
10	Machinery and tools .....	1,600	192	3,607	4,463	1,707	749	15,963
11	Wire, wire products and fasteners .....	2,666	-	162,398	19	769	753	33,020
12	Natural resources and extractive industries ..	2,125	4,487	93	2,419	546	3,172	34,861
13	Appliances and utensils ..	-	-	17	196	83	-	1,040
14	Other metal stamping and pressing .....	1,696	311	1,292	1,093	2,682	26,270	16,445
16	Railway operating .....	68	106,113	26	750	478	13	3,201
17	Railroad cars and loco- motives .....	12,421	17	-	6,085	244	-	2,138
18	Shipbuilding .....	-	50	-	4,353	129	-	828
19	Pipes and tubes .....	41,662	-	319	-	-	-	365
20	Miscellaneous .....	181	198	2,678	204	67	2,050	1,429
	Total domestic shipments	77,534	112,866	173,372	155,889	48,999	176,456	258,857
5a	Export - For conversion and return							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	10,595	3,412	880	5,076	3,779	6,108	22,236
ii	Other countries .....	-	-	5,322	-	-	176	1,952
	Total domestic and export shipments ...	88,129	116,278	179,574	160,965	52,778	182,740	283,045
	Imports by producers (in- cluding conversion) ....	1,487	-	-	-	-	-	-
	Total net shipments	86,642	116,278	179,574	160,965	52,778	182,740	283,045

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Five Months Ended May 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
278	47,264	49,886	935	11,458	55,133	38,497	312,809	4a
72	8,269	9,443	327	-	1,402	-	30,844	b
-	1,756	81,883	6,320	8,660	54,760	5,872	244,175	6
-	6,306	25,585	1,150	5,012	8,379	2,328	79,191	7
-	4,916	19,510	881	111	15,594	93,125	168,062	8a
15	812	2,328	6	-	1,380	-	21,389	b
4	69,367	15,091	1,922	276	2,087	8,231	300,964	c
-	166	2,366	456	8	223,603	523	227,491	9
65	27,450	22,529	2,694	4,187	31,349	3,022	119,577	10
850	1,213	6,519	266	1,176	4,073	745	214,467	11
441	7,344	1,342	17	107	1,083	2,178	60,215	12
-	2,196	9,812	116	702	45,095	6,734	65,991	13
4	11,806	23,648	3,315	1,345	49,883	7,753	147,543	14
28,147	4,924	1,077	-	-	19	198	145,014	16
1	15,936	4,024	-	27	856	373	42,122	17
-	20,988	946	6	8	73	263	27,644	18
-	165,115	48,315	85,264	-	26,609	2,837	370,486	19
14	361	41	52	112	3,190	730	11,307	20
29,891	396,189	324,345	103,727	33,189	524,568	173,409	2,589,291	
-	-	-	21	-	13,500	-	13,521	5a
-	-	-	19	-	-	-	19	i ii
28	20,245	29,056	187	52	37,561	8,901	148,116	5b
1	-	17,994	-	55	51,288	20,469	97,257	i ii
29,920	416,434	371,395	103,954	33,296	626,917	202,779	2,848,204	
-	-	-	-	51	13,185	-	14,723	
29,920	416,434	371,395	103,954	33,245	613,732	202,779	2,833,481	





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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	June 1967	Six months ended June 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	38,997	220,034
From foreign mines .....	31,945	355,418
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	375,222	2,402,215
From foreign mines .....	230,078	1,223,270
From own processing .....	113,174	716,309
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	24,539	146,122
Scrap iron and steel .....	5,007	37,783
Limestone .....	57,658	351,797
Dolomite .....	20,850	136,189
Coke .....	294,069	1,836,961

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

	June			
	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	544,168	5,453	494,913	4,432
Foundry (including silvery pig) (2) .....	31,218	20,765	37,535	22,739
Malleable .....	20,707	24,164	18,912	16,512
Total pig iron .....	596,093	50,382	551,360	43,683
Ferro-alloys .....	17,540	15,042	12,062	14,735
Stocks of pig iron on hand at end of month ....	205,190		283,315	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Six months ended June

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	3,345,360	42,941	3,022,662	20,808
Foundry (including silvery pig) (2) .....	233,562	182,171	260,981	186,442
Malleable .....	130,332	90,796	93,634	104,005
Total pig iron .....	3,709,254	315,908	3,377,277	311,255
Ferro-alloys .....	94,057	77,722	88,207	89,754

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	June		Six months ended June	
	1966 <sup>r</sup>	1967	1966 <sup>r</sup>	1967
	net tons of 2,000 pounds			
Pig iron .....	583,396	475,126	3,309,839	2,993,075
Scrap - Own make .....	249,345	265,779	1,548,519	1,529,716
Purchased .....	196,089	165,380	1,083,971	1,094,502
Total pig iron and scrap .....	1,028,830	906,285	5,942,329	5,617,293

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings

	June			
	1966	1967	1966	1967
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	752,293 <sup>r</sup>	1,737 <sup>r</sup>	685,310	8,175
Electric .....	99,974	9,942	94,665	11,791
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	852,267 <sup>r</sup>	11,679 <sup>r</sup>	779,975	19,966
Continuous cast steel included in above .....	38,563	(3)	48,251	(3)
Alloy steel ingots included in above .....	60,076	1,535	52,531	1,224
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	(4)	(4)
Electric .....	16,358	14,668	11,698	12,460
Other .....	-	-	(4)	(4)
Total steel castings .....	16,358	14,668	11,698	12,460
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	399	438	405	432
Manganese and abrasion resistant .....	2,768	2,648	2,746	2,792
All other alloys .....	1,033	1,034	380	336
Total alloy castings .....	4,200	4,120	3,531	3,560

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Confidential.

(4) Included with "Electric".

<sup>r</sup> Revised figures.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Six months ended June

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	4,525,611 <sup>r</sup>	33,278 <sup>r</sup>	4,196,438	44,551
Electric .....	599,416	69,146	628,056	67,774
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	5,125,027 <sup>r</sup>	102,424 <sup>r</sup>	4,824,494	112,325
Continuous cast steel included in above .....	230,891	(3)	311,165	(3)
Alloy steel ingots included in above .....	403,707	8,143	362,822	8,437
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	96,125	89,192	85,664	81,552
Other .....	-	-	(4)	(4)
Total steel castings .....	96,125	89,192	85,664	81,552
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	2,753	2,586	2,880	2,656
Manganese and abrasion resistant .....	16,377	15,900	16,787	16,345
All other alloys .....	6,222	6,294	4,543	4,114
Total alloy castings .....	25,352	24,780	24,210	23,115

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Confidential.

(4) Included with "Electric".

<sup>r</sup> Revised figures.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	June 1967		Six months ended June 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	6	-	42
Export .....	1,068	307	4,867	2,338
Automotive and aircraft industries .....	411	-	2,579	11
Agricultural (including implement and equipment manufacturers) .....	90	32	812	261
Construction (including public works, public utilities and structural steel fabricators) ...	207	233	792	1,175
Machinery and tools .....	1,850	308	11,225	3,015
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	960	1,744	5,856	9,692
Railway operating .....	2,929	361	18,479	2,748
Railroad cars and locomotives .....	1,147	93	12,413	959
Shipbuilding .....	45	3	253	143
Miscellaneous (including grinding balls and railway car wheels) .....	190	473	1,146	2,743
Totals .....	8,897	3,560	58,422	23,127

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe, Tubing, and Fittings  
June

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	24,055	22,848	30,079	23,836
Over 4 1/2" outside diameter (excluding tubing and casing) .....	19,472	18,429	29,090	30,487
Mechanical and pressure tubing, casing and oil well tubing .....	14,981	16,500	9,956	10,771
Totals .....	58,508	57,777	69,125	65,094
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	227	230	197	181
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	693	606	505	586
Totals .....	920	836	702	767

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe, Tubing, and Fittings  
Six months ended June

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	119,384	117,563	145,194	133,884
Over 4 1/2" outside diameter (excluding tubing and casing) .....	167,846	150,874	186,974	179,323
Mechanical and pressure tubing, casing and oil well tubing .....	102,447	94,172	77,693	84,002
Totals .....	389,677	362,609	409,861	397,209
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	891	862	804	739
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	3,443	3,426	3,372	3,531
Totals .....	4,334	4,288	4,176	4,270

(1) Included with "Other".



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
June 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	26,181	4,566	46,691	44,656	2,035
For forging and piercing .....	8,862	-	8,798	-	8,798
Rails .....	14,867	-	11,199	-	11,199
Wire rods .....	36,199	-	37,106	-	37,106
Structural shapes:					
Heavy, including piling .....	41,356	-	33,218	-	33,218
Bar-sized shapes .....	12,236	-	9,362	-	9,362
Concrete reinforcing bars .....	46,649	-	47,317	-	47,317
Other hot rolled bars:					
Flats .....	9,443	-	9,821	) 5,353	( 37,199
Other .....	37,304	-	32,731	)	(
Tie plates and track material:					
Angle bars .....	1,407	-	1,375	-	1,375
Tie plates .....	1,984	-	2,043	-	2,043
Track spikes .....	1,177	-	1,227	-	1,227
Plates (including plates for pipes and tubes) .....	80,286	-	85,377	-	85,377
Hot rolled sheets .....	206,165	-	200,464	104,682	95,782
Hot rolled strip .....	23,973	-	27,552	696	26,856
Total hot rolled products ...	548,089	4,566	554,281	155,387	398,894
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,921	-	6,066	-	6,066
Cold reduced sheets and strip, tin mill black plate and tin plate .....	174,360	-	166,084	51,613	114,471
Galvanized sheets .....	51,688	-	51,131	-	51,131
Total cold rolled and coated ..	231,969	-	223,281	51,613	171,668
Total carbon steel .....	780,058	4,566	777,562	207,000	570,562
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	1,606	-	1,606	1,606	-
For forging and piercing .....	2,456	-	2,456	-	2,456
Alloy plates .....	973	-	973	-	973
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	19,893	-	18,971	71	18,900
Cold finished bars .....	612	-	574	-	574
Wire rods .....	333	-	333	-	333
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	9,377	1,606	9,275	-	9,275
Total alloy steel .....	35,250	1,606	34,188	1,677	32,511



TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Six months ended June 1967

	Production	Imports	Total of all shipments(1)	Shipments for further processing	Net shipments(1)
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	171,827	6,053	275,762	269,953	5,809
For forging and piercing .....	71,288	-	74,251	-	74,251
Rails .....	130,011	-	127,477	-	127,477
Wire rods .....	216,965	-	214,806	-	214,806
Structural shapes:					
Heavy, including piling .....	206,281	-	194,183	-	194,183
Bar-sized shapes .....	68,343	-	62,140	-	62,140
Concrete reinforcing bars .....	264,760	-	230,057	-	230,057
Other hot rolled bars:					
Flats .....	51,693	-	51,408	33,195	( 229,347
Other .....	224,927	-	211,134		
Tie plates and track material:					
Angle bars .....	8,636	-	8,072	-	8,072
Tie plates .....	22,467	-	20,553	-	20,553
Track spikes .....	5,742	-	6,591	-	6,591
Plates (including plates for pipes and tubes) .....	494,206	-	496,790	-	496,790
Hot rolled sheets .....	1,058,354	-	1,053,690	586,513	467,177
Hot rolled strip .....	128,500	-	134,842	4,032	130,810
Total hot rolled products ...	3,124,000	6,053	3,161,756	893,693	2,268,063
<u>Cold rolled and coated</u>					
Cold finished bars .....	36,577	51	36,597	-	36,597
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,011,186	-	1,008,211	304,654	703,557
Galvanized sheets .....	252,557	-	253,910	-	253,910
Total cold rolled and coated ..	1,300,320	51	1,298,718	304,654	994,064
Total carbon steel .....	4,424,320	6,104	4,460,474	1,198,347	3,262,127
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	10,005	-	10,005	10,005	-
For forging and piercing .....	21,358	-	21,358	-	21,358
Alloy plates .....	5,994	-	5,994	-	5,994
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	116,538	-	109,745	599	109,146
Cold finished bars .....	3,428	-	3,339	-	3,339
Wire rods .....	1,951	-	2,027	-	2,027
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	39,203	14,791	47,106	-	47,106
Total alloy steel .....	198,477	14,791	199,574	10,604	188,970

(1) Includes revisions to date.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		June 1967		Six months ended June 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	68,468	2,333	368,656	14,954
b	Other warehouses .....	4,880	-	35,308	416
6	Automotive and aircraft industries	47,638	10,574	239,100	63,287
7	Agricultural .....	15,846	437	93,658	1,816
8a	Contractors - Building .....	40,059	7	208,007	121
b	Construction - Public and utility ..	5,662	31	26,971	111
c	Structural steel fabricators .....	64,681	777	362,104(2)	4,138
9	Containers .....	35,449	22	262,719	243
10	Machinery and tools .....	18,009	2,491	124,439	15,638
11	Wire, wire products and fasteners ..	43,430	2,318	251,029	9,186
12	Natural resources and extractive industries .....	14,630	1,433	67,152	9,126
13	Appliances and utensils .....	11,762	137	76,345	952(2)
14	Other metal stamping and pressing ..	33,694	1,166	175,687	7,305(2)
16	Railway operating .....	15,086	-	160,096	8(2)
17	Railroad cars and locomotives .....	9,103	208	50,907	526
18	Shipbuilding .....	7,010	46	34,273	427
19	Pipes and tubes .....	69,469	168	432,287	7,836
20	Miscellaneous .....	2,551	207	13,275	790
	Total domestic shipments .....	507,427	22,355	2,982,013(2)	136,880
5a	Export - For conversion and return				
i	USA .....	189	3,143	210	16,643
ii	Other countries .....	-	-	19	-
5b	Other export (for final sale)				
i	USA .....	24,906	3,887	151,236	25,673
ii	Other countries .....	38,040	3,126	128,649	9,774
	Total domestic and export shipments .....	570,562	32,511	3,262,127(2)	188,970
	Imports by producers (including conversion) .....	4,566	1,606	6,104	14,791
	Total net shipments .....	565,996	30,905	3,256,023(2)	174,179

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes revisions for May.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
June 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	41	10	24	4,680	1,635	13,048	6,425
b	Other warehouses .....	-	126	-	1,076	266	233	196
6	Automotive and aircraft industries .....	1,890	-	-	510	75	51	13,903
7	Agriculture .....	-	-	18	459	864	-	5,535
8a	Contractors - Building ...	9	-	-	447	58	7,245	309
b	Construction - Public and utility .....	-	-	-	-	28	2,925	801
c	Structural steel fabri- cators .....	245	91	-	19,606	4,406	9,852	3,852
9	Containers .....	-	-	-	68	-	-	11
10	Machinery and tools .....	367	-	448	537	136	72	2,605
11	Wire, wire products and fasteners .....	976	-	34,270	20	117	180	6,692
12	Natural resources and extractive industries ..	378	840	-	2,061	-	2,977	6,363
13	Appliances and utensils ..	-	-	2	40	-	-	34
14	Other metal stamping and pressing .....	39	145	35	205	539	9,113	2,623
16	Railway operating .....	87	9,507	-	337	45	-	435
17	Railroad cars and loco- motives .....	1,899	-	-	2,072	21	-	491
18	Shipbuilding .....	-	-	-	446	24	-	245
19	Pipes and tubes .....	3,792	-	79	-	-	-	-
20	Miscellaneous .....	159	-	940	85	1	215	345
Total domestic shipments		9,882	10,719	35,816	32,649	8,215	45,911	50,865
5a	Export - For conversion and return							
i	USA .....	-	-	189	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	3,407	480	21	502	1,011	1,297	3,741
ii	Other countries .....	-	-	1,413	67	136	109	1,493
Total domestic and export shipments ...		13,289	11,199	37,439	33,218	9,362	47,317	56,099
Imports by producers (in- cluding conversion) ....		4,566	-	-	-	-	-	-
Total net shipments		8,723	11,199	37,439	33,218	9,362	47,317	56,099

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
June 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
78	9,301	10,366	287	2,528	13,000	9,378	70,801	4a
8	1,308	1,257	124	-	286	-	4,880	b
-	379	25,020	1,346	1,801	12,180	1,057	58,212	6
-	909	4,851	231	853	2,254	309	16,283	7
-	748	3,807	298	12	3,574	23,559	40,066	8a
-	467	1,224	-	-	248	-	5,693	b
3	18,874	4,130	966	51	709	2,673	65,458	c
-	2	474	108	4	34,662	142	35,471	9
10	5,397	2,891	627	653	6,027	730	20,500	10
192	136	1,211	92	272	1,348	242	45,748	11
145	1,863	536	-	27	365	508	16,063	12
-	534	2,002	54	109	7,775	1,349	11,899	13
-	2,131	5,548	405	243	11,922	1,912	34,860	14
4,094	459	98	-	-	13	11	15,086	16
-	4,611	93	-	8	103	13	9,311	17
-	5,724	523	21	47	26	-	7,056	18
31	28,075	9,939	22,271	-	4,774	676	69,637	19
-	12	12	-	4	840	145	2,758	20
4,561	80,930	73,982	26,830	6,612	100,106	42,704	529,782	
-	-	-	-	-	3,143	-	3,332	5a
-	-	-	-	-	-	-	-	i
								ii
								5b
84	5,420	5,372	26	-	5,569	1,863	28,793	i
-	-	16,428	-	28	14,928	6,564	41,166	ii
4,645	86,350	95,782	26,856	6,640	123,746	51,131	603,073	
-	-	-	-	-	1,606	-	6,172	
4,645	86,350	95,782	26,856	6,640	122,140	51,131	596,901	



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Six months ended June 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods(3)	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars(3)
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	163	206	200	32,680	11,180	50,961	39,831
b	Other warehouses .....	-	504	1,447	7,970	1,202	262	1,843
6	Automotive and aircraft industries .....	16,141	-	4	1,520	596	102	82,990
7	Agriculture .....	-	-	92	3,866	5,510	-	27,839
8a	Contractors - Building ...	9	5	161	2,999	788	34,736	3,295
b	Construction - Public and utility .....	-	617	-	640	124	16,480	2,741
c	Structural steel fabri- cators .....	987	393	867	113,410	30,226	74,262	21,713
9	Containers .....	-	-	33	68	-	-	347
10	Machinery and tools .....	1,967	192	4,055	5,000	1,843	821	18,568
11	Wire, wire products and fasteners .....	3,642	-	196,668	39	886	933	39,061
12	Natural resources and extractive industries ..	2,503	5,327	93	4,480	546	6,149	41,224
13	Appliances and utensils ..	-	-	19	236	83	-	481
14	Other metal stamping and pressing .....	1,735	456	1,327	1,298	3,221	35,383	19,657
16	Railway operating .....	155	115,620	26	1,087	523	13	3,640
17	Railroad cars and loco- motives .....	14,320	17	-	8,157	265	-	2,629
18	Shipbuilding .....	-	50	-	4,799	153	-	1,073
19	Pipes and tubes .....	45,454	-	398	-	-	-	365
20	Miscellaneous .....	340	198	3,618	289	68	2,265	1,774
Total domestic shipments		87,416	123,585	209,008	188,538	57,214	222,367	309,071
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	189	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	14,002	3,892	901	5,578	4,790	7,405	25,977
ii	Other countries .....	-	-	6,735	67	136	285	3,445
Total domestic and export shipments ...		101,418	127,477	216,833	194,183	62,140	230,057	338,493
Imports by producers (in- cluding conversion) ....		6,053	-	-	-	-	-	-
Total net shipments		95,365	127,477	216,833	194,183	62,140	230,057	338,493

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions to date.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Six months ended June 1967

Tie plates and track material(3)	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total(3)	SDI No.
356	56,565	60,252	1,222	13,986	68,133	47,875	383,610	4a
80	9,577	10,700	451	-	1,688	-	35,724	b
-	2,135	106,903	7,666	10,461	66,940	6,929	302,387	6
-	7,215	30,436	1,381	5,865	10,633	2,637	95,474	7
-	5,664	23,317	1,179	123	19,168	116,684	208,128	8a
15	1,279	3,552	6	-	1,628	-	27,082	b
7	88,241	19,221	2,888	327	2,796	10,904	366,242	c
-	168	2,840	564	12	258,265	665	262,962	9
75	32,847	25,420	3,321	4,840	37,376	3,752	140,077	10
1,693	1,349	7,730	358	1,448	5,421	987	260,215	11
586	9,207	1,878	17	134	1,448	2,686	76,278	12
-	2,730	11,814	170	811	52,870	8,083	77,297	13
4	13,937	29,196	3,720	1,588	61,805	9,665	182,992	14
32,241	5,383	1,175	-	-	32	209	160,104	16
1	20,547	4,117	-	35	959	386	51,433	17
-	26,712	1,469	27	55	99	263	34,700	18
31	193,190	58,254	107,535	-	31,383	3,513	440,123	19
14	373	53	52	116	4,030	875	14,065	20
35,103	477,119	398,327	130,557	39,801	624,674	216,113	3,118,893	
-	-	-	21	-	16,643	-	16,853	5a
-	-	-	19	-	-	-	19	i
								ii
								5b
112	25,665	34,428	213	52	43,130	10,764	176,909	i
1	-	34,422	-	83	66,216	27,033	138,423	ii
35,216	502,784	467,177	130,810	39,936	750,663	253,910	3,451,097	
-	-	-	-	51	14,791	-	20,895	
35,216	502,784	467,177	130,810	39,885	735,872	253,910	3,430,202	



CATALOGUE No.

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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	July 1967	Seven months ended July 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	49,440	269,474
From foreign mines .....	49,980	405,398
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	440,301	2,842,516
From foreign mines .....	216,207	1,439,477
From own processing .....	136,630	852,939
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	23,849	169,971
Scrap iron and steel .....	5,192	42,975
Limestone .....	60,070	411,867
Dolomite .....	19,749	155,938
Coke .....	336,130	2,173,091

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).



TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
July

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	550,200	3,590	535,280	4,175
Foundry (including silvery pig)(2) .....	36,195	38,936	45,539	48,469
Malleable .....	20,951	30,414	33,470	28,294
Total pig iron .....	607,346	72,940	614,289	80,938
Ferro-alloys .....	14,926	13,451	10,966	11,806
Stocks of pig iron on hand at end of month ....	200,112		283,539	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Seven Months Ended July

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	3,895,560	46,531	3,557,942	24,983
Foundry (including silvery pig)(2) .....	269,757	221,107	306,520	234,911
Malleable .....	151,283	121,210	127,104	132,299
Total pig iron .....	4,316,600	388,848	3,991,566	392,193
Ferro-alloys .....	108,983	91,173	99,173	101,560

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	July		Seven months ended July	
	1966 <sup>r</sup>	1967	1966 <sup>r</sup>	1967
	net tons of 2,000 pounds			
Pig iron .....	532,035	522,156	3,841,874	3,515,234
Scrap - Own make .....	250,131	241,233	1,798,650	1,770,946
Purchased .....	170,415	135,490	1,254,386	1,229,992
Total pig iron and scrap .....	952,581	898,879	6,894,910	6,516,172

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings

July				
	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	747,798 <sup>r</sup>	6,764 <sup>r</sup>	711,857	15,953
Electric .....	88,694	10,665	67,834	7,518
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	836,492 <sup>r</sup>	17,429 <sup>r</sup>	779,691	23,471
Continuous cast steel included in above .....	36,096	(3)	42,840	(3)
Alloy steel ingots included in above .....	65,461	1,862	53,101	(3)
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	(4)	(4)
Electric .....	10,608	11,944	6,912	9,233
Other .....	-	-	(4)	(4)
Total steel castings .....	10,608	11,944	6,912	9,233
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	293	346	262	362
Manganese and abrasion resistant .....	2,433	2,416	2,326	2,414
All other alloys .....	423	482	317	324
Total alloy castings .....	3,149	3,244	2,905	3,100

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Confidential.

(4) Included with "Electric".

<sup>r</sup> Revised figures.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Seven Months Ended July

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	5,273,409 <sup>r</sup>	40,042 <sup>r</sup>	4,908,295	60,504
Electric .....	688,110	79,811	695,890	75,292
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	5,961,519 <sup>r</sup>	119,853 <sup>r</sup>	5,604,185	135,796
Continuous cast steel included in above .....	266,987	(3)	354,005	(3)
Alloy steel ingots included in above .....	469,168	10,005	415,923	(3)
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	106,733	101,136	92,576	90,785
Other .....	-	-	(4)	(4)
Total steel castings .....	106,733	101,136	92,576	90,785
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	3,046	2,932	3,142	3,024(5)
Manganese and abrasion resistant .....	18,810	18,316	19,113	18,765(5)
All other alloys .....	6,645	6,776	4,860	4,438
Total alloy castings .....	28,501	28,024	27,115	26,227(5)

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth".  
(3) Confidential. (4) Included with "Electric". (5) Includes revisions to date. <sup>r</sup> Revised figures.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	July 1967		Seven months ended July 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	7	-	49
Export .....	797	497	5,664	2,835
Automotive and aircraft industries .....	353	-	2,932	11
Agricultural (including implement and equipment manufacturers) .....	60	26	872	287
Construction (including public works, public utilities and structural steel fabricators) ...	117	186	909	1,361
Machinery and tools .....	1,264	262	12,489	3,277
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	626	1,360	6,482	11,052
Railway operating .....	2,045	314	20,524	3,062
Railroad cars and locomotives .....	734	77	13,147	1,036
Shipbuilding .....	48	4	301	147
Miscellaneous (including grinding balls and railway car wheels) .....	89	367	1,238(2)	3,110
Totals .....	6,133	3,100	64,558(2)	26,227

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

Includes producers' own-make castings allocated to appropriate consuming industry.

(2) Includes revision for June.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	779,691	6,912	786,603
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					



TABLE 11. Production and Shipments of Steel Pipe, Tubing and Fittings  
July

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	18,925	23,360	20,455	19,771
Over 4 1/2" outside diameter (excluding tubing and casing) .....	12,419	16,399	31,351	30,833
Mechanical and pressure tubing, casing and oil well tubing .....	11,545	13,468	9,740	10,931
Totals .....	42,889	53,227	61,546	61,535
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	152	146	(2)	95
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	550	498	442	537
Totals .....	702	644	(2)	632

(1) Included with "Other".

(2) Confidential.

TABLE 12. Production and Shipments of Steel Pipe, Tubing and Fittings  
Seven Months Ended July

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	138,309	140,923	165,649	153,655
Over 4 1/2" outside diameter (excluding tubing and casing) .....	180,265	167,273	218,325	210,156
Mechanical and pressure tubing, casing and oil well tubing .....	113,992	107,640	87,433	94,933
Totals .....	432,566	415,836	471,407	458,744
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	1,043	1,008	(2)	834
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	3,993	3,924	3,814	4,068
Totals .....	5,036	4,932	(2)	4,902

(1) Included with "Other".

(2) Confidential.



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
July 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	26,326	-	37,500	22,579	14,921
For forging and piercing .....	16,372	-	16,391	-	16,391
Rails .....	19,046	-	17,477	-	17,477
Wire rods .....	31,590	-	31,140	-	31,140
Structural shapes:					
Heavy, including piling .....	33,838	-	32,361	-	32,361
Bar-sized shapes .....	6,368	-	9,071	-	9,071
Concrete reinforcing bars .....	35,861	-	44,198	-	44,198
Other hot rolled bars:					
Flats .....	8,751	-	7,903	) 5,120	35,608
Other .....	31,663	-	32,825		
Tie plates and track material:					
Angle bars .....	439	-	509	-	509
Tie plates .....	62	-	1,149	-	1,149
Track spikes .....	1,015	-	926	-	926
Plates (including plates for pipes and tubes) .....	69,570	-	67,990	-	67,990
Hot rolled sheets .....	161,225	-	158,998	93,694	65,304
Hot rolled strip .....	14,191	-	19,592	753	18,839
Total hot rolled products ...	456,317	-	478,030	122,146	355,884
<u>Cold rolled and coated</u>					
Cold finished bars .....	4,942	-	4,922	-	4,922
Cold reduced sheets and strip, tin mill black plate and tin plate .....	163,625	-	149,763	50,490	99,273
Galvanized sheets .....	55,292	-	46,925	-	46,925
Total cold rolled and coated ..	223,859	-	201,610	50,490	151,120
Total carbon steel .....	680,176	-	679,640	172,636	507,004
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	2,444	-	2,444	2,444	-
For forging and piercing .....	4,168	-	4,168	-	4,168
Alloy plates .....	603	-	603	-	603
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	17,199	-	22,663	105	22,558
Cold finished bars .....	581	-	505	-	505
Wire rods .....	300	-	300	-	300
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	3,527	1,718	4,149	-	4,149
Total alloy steel .....	28,822	1,718	34,832	2,549	32,283

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Seven Months Ended July 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	198,153	6,053	313,262	292,532	20,730
For forging and piercing .....	87,660	-	90,642	-	90,642
Rails .....	149,057	-	144,954	-	144,954
Wire rods .....	248,555	-	245,946	-	245,946
Structural shapes:					
Heavy, including piling .....	240,119	-	226,544	-	226,544
Bar-sized shapes .....	74,711	-	71,211	-	71,211
Concrete reinforcing bars .....	300,621	-	274,255	-	274,255
Other hot rolled bars:					
Flats .....	60,444	-	59,311	38,315	264,955
Other .....	256,590	-	243,959		
Tie plates and track material:					
Angle bars .....	9,075	-	8,581	-	8,581
Tie plates .....	22,529	-	21,702	-	21,702
Track spikes .....	6,757	-	7,517	-	7,517
Plates (including plates for pipes and tubes) .....	563,776	-	564,780	-	564,780
Hot rolled sheets .....	1,219,579	-	1,212,688	680,207	532,481
Hot rolled strip .....	142,691	-	154,434	4,785	149,649
Total hot rolled products ...	3,580,317	6,053	3,639,786	1,015,839	2,623,947
<u>Cold rolled and coated</u>					
Cold finished bars .....	41,519	51	41,519	-	41,519
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,174,811	-	1,157,974	355,144	802,830
Galvanized sheets .....	307,849	-	300,835	-	300,835
Total cold rolled and coated ..	1,524,179	51	1,500,328	355,144	1,145,184
Total carbon steel .....	5,104,496	6,104	5,140,114	1,370,983	3,769,131
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	12,449	-	12,449	12,449	-
For forging and piercing .....	25,526	-	25,526	-	25,526
Alloy plates .....	6,597	-	6,597	-	6,597
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	133,737	-	132,408	704	131,704
Cold finished bars .....	4,009	-	3,844	-	3,844
Wire rods .....	2,251	-	2,327	-	2,327
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	42,730	16,509	51,255	-	51,255
Total alloy steel .....	227,299	16,509	234,406	13,153	221,253

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		July 1967		Seven months ended July 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	56,362	1,793	425,018	16,747
b	Other warehouses .....	5,365	-	40,673	416
6	Automotive and aircraft industries	43,399	8,141	282,499	71,428
7	Agricultural .....	10,604	356	104,262	2,172
8a	Contractors - Building .....	35,671	22	243,678	143
b	Construction - Public and utility ..	7,531	103	34,502	214
c	Structural steel fabricators .....	63,065	301	425,169	4,439
9	Containers .....	39,812	12	302,531	255
10	Machinery and tools .....	15,582	1,943	140,021	17,581
11	Wire, wire products and fasteners ..	36,409	1,511	287,438	10,697
12	Natural resources and extractive industries .....	12,422	8,055	79,574	17,181
13	Appliances and utensils .....	8,194	152	84,539	1,104
14	Other metal stamping and pressing ..	26,146	1,231	201,833	8,536
16	Railway operating .....	20,330	-	180,426	8
17	Railroad cars and locomotives .....	4,350	93	55,257	619
18	Shipbuilding .....	5,600	-	39,873	427
19	Pipes and tubes .....	59,421	2,868	491,708	10,704
20	Miscellaneous .....	1,355	150	14,630	940
	Total domestic shipments .....	451,618	26,731	3,433,631	163,611
5a	Export - For conversion and return				
i	USA .....	-	731	210	17,374
ii	Other countries .....	-	-	19	-
5b	Other export (for final sale)				
i	USA .....	37,254	3,320	188,490	28,993
ii	Other countries .....	18,132	1,501	146,781	11,275
	Total domestic and export shipments .....	507,004	32,283	3,769,131	221,253
	Imports by producers (including conversion) .....	-	1,718	6,104	16,509
	Total net shipments .....	507,004	30,565	3,763,027	204,744

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
July 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	2	-	13	4,660	1,366	10,747	5,292
b	Other warehouses .....	-	74	-	1,175	185	518	178
6	Automotive and aircraft industries .....	3,039	-	-	212	25	-	10,479
7	Agriculture .....	-	-	-	976	549	-	3,534
8a	Contractors - Building ...	-	4	8	433	54	5,325	170
b	Construction - Public and utility .....	-	-	-	118	3	6,115	363
c	Structural steel fabri- cators .....	9	54	165	19,622	4,817	11,995	3,228
9	Containers .....	-	-	-	-	-	-	114
10	Machinery and tools .....	272	102	456	354	127	429	2,641
11	Wire, wire products and fasteners .....	1,310	-	28,840	12	59	65	4,788
12	Natural resources and extractive industries ..	414	320	-	381	93	1,886	14,352
13	Appliances and utensils ..	-	-	-	38	-	326	14
14	Other metal stamping and pressing .....	150	15	98	221	373	6,035	4,174
16	Railway operating .....	-	16,610	-	121	57	-	459
17	Railroad cars and loco- motives .....	890	-	-	1,147	18	-	88
18	Shipbuilding .....	-	-	-	572	-	-	213
19	Pipes and tubes .....	13,960	-	75	-	-	-	-
20	Miscellaneous .....	-	-	405	-	10	153	315
Total domestic shipments		20,046	17,179	30,060	30,042	7,736	43,594	50,402
5a	Export - For conversion and return							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	15,434	298	416	2,313	1,335	567	6,838
ii	Other countries .....	-	-	964	6	-	37	926
Total domestic and export shipments ...		35,480	17,477	31,440	32,361	9,071	44,198	58,166
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Total net shipments		35,480	17,477	31,440	32,361	9,071	44,198	58,166

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Seven Months Ended July 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
396	64,397	69,062	1,513	16,180	78,565	54,351	441,765	4a
90	10,888	12,204	553	-	1,996	-	41,089	b
-	2,511	128,373	9,247	11,521	78,593	8,574	353,927	6
-	7,923	33,116	1,625	6,844	11,847	2,713	106,434	7
19	6,200	24,979	1,450	123	22,743	140,320	243,821	8a
16	1,657	4,096	6	-	1,740	-	34,716	b
7	104,113	22,115	3,558	400	3,547	14,120	429,608	c
-	173	3,306	701	12	297,101	931	302,786	9
80	36,903	28,034	3,904	5,307	42,263	4,284	157,602	10
1,846	1,570	8,680	382	1,690	6,497	1,167	298,135	11
638	10,632	2,177	34	144	1,632	3,730	96,755	12
-	3,167	13,653	202	916	57,523	8,985	85,643	13
4	15,774	32,939	4,177	1,793	70,119	11,420	210,369	14
34,477	5,894	1,505	-	-	32	215	180,434	16
1	22,683	4,257	-	35	983	386	55,876	17
-	31,321	1,573	27	62	160	297	40,300	18
33	215,984	66,481	121,951	-	34,005	3,706	502,412	19
19	466	56	66	165	4,395	968	15,570	20
37,626	542,256	456,606	149,396	45,192	713,741	256,167	3,597,242	
-	-	-	21	-	17,374	-	17,584	5a
-	-	-	19	-	-	-	19	i ii
167	29,121	38,241	213	52	47,319	12,624	217,483	5b
7	-	37,634	-	119	75,651	32,044	158,056	i ii
37,800	571,377	532,481	149,649	45,363	854,085	300,835	3,990,384	
-	-	-	-	51	14,791	-	20,895	
37,800	571,377	532,481	149,649	45,312	839,294	300,835	3,969,489	



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
July 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
40	7,832	8,810	291	2,194	10,432	6,476	58,155	4a
10	1,311	1,504	102	-	308	-	5,365	b
-	376	21,470	1,581	1,060	11,653	1,645	51,540	6
-	708	2,680	244	979	1,214	76	10,960	7
19	536	1,662	271	-	3,575	23,636	35,693	8a
1	378	544	-	-	112	-	7,634	b
-	15,872	2,894	670	73	751	3,216	63,366	c
-	5	466	137	-	38,836	266	39,824	9
5	4,056	2,614	583	467	4,887	532	17,525	10
153	221	950	24	242	1,076	180	37,920	11
52	1,425	299	17	10	184	1,044	20,477	12
-	437	1,839	32	105	4,653	902	8,346	13
-	1,837	3,743	457	205	8,314	1,755	27,377	14
2,236	511	330	-	-	-	6	20,330	16
-	2,136	140	-	-	24	-	4,443	17
-	4,609	104	-	7	61	34	5,600	18
2	22,794	8,227	14,416	-	2,622	193	62,289	19
5	93	3	14	49	365	93	1,505	20
2,523	65,137	58,279	18,839	5,391	89,067	40,054	478,349	
-	-	-	-	-	731	-	731	5a
-	-	-	-	-	-	-	-	i ii
55	3,456	3,813	-	-	4,189	1,860	40,574	5b i
6	-	3,212	-	36	9,435	5,011	19,633	ii
2,584	68,593	65,304	18,839	5,427	103,422	46,925	539,287	
-	-	-	-	-	-	-	-	
2,584	68,593	65,304	18,839	5,427	103,422	46,925	539,287	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Seven Months Ended July 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	165	206	213	37,340	12,546	61,708	45,123
b	Other warehouses .....	-	578	1,447	9,145	1,387	780	2,021
6	Automotive and aircraft industries .....	19,180	-	4	1,732	621	102	93,469
7	Agriculture .....	-	-	92	4,842	6,059	-	31,373
8a	Contractors - Building ...	9	9	169	3,432	842	40,061	3,465
b	Construction - Public and utility .....	-	617	-	758	127	22,595	3,104
c	Structural steel fabri- cators .....	996	447	1,032	133,032	35,043	86,257	24,941
9	Containers .....	-	-	33	68	-	-	461
10	Machinery and tools .....	2,239	294	4,511	5,354	1,970	1,250	21,209
11	Wire, wire products and fasteners .....	4,952	-	225,508	51	945	998	43,849
12	Natural resources and extractive industries ..	2,917	5,647	93	4,861	639	8,035	55,576
13	Appliances and utensils ..	-	-	19	274	83	326	495
14	Other metal stamping and pressing .....	1,885	471	1,425	1,519	3,594	41,418	23,831
16	Railway operating .....	155	132,230	26	1,208	580	13	4,099
17	Railroad cars and loco- motives .....	15,210	17	-	9,304	283	-	2,717
18	Shipbuilding .....	-	50	-	5,371	153	-	1,286
19	Pipes and tubes .....	59,414	-	473	-	-	-	365
20	Miscellaneous .....	340	198	4,023	289	78	2,418	2,089
Total domestic shipments		107,462	140,764	239,068	218,580	64,950	265,961	359,473
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	189	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	29,436	4,190	1,317	7,891	6,125	7,972	32,815
ii	Other countries .....	-	-	7,699	73	136	322	4,371
Total domestic and export shipments ...		136,898	144,954	248,273	226,544	71,211	274,255	396,659
Imports by producers (in- cluding conversion) ....		6,053	-	-	-	-	-	-
Total net shipments		130,845	144,954	248,273	226,544	71,211	274,255	396,659

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



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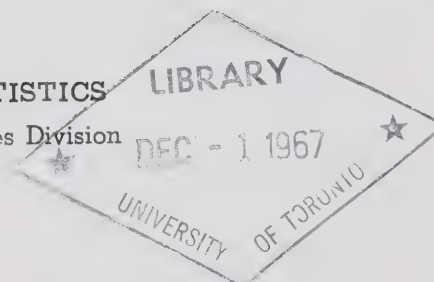


# PRIMARY IRON AND STEEL

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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	August 1967	Eight months ended August
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	36,844	306,318
From foreign mines .....	76,819	482,217
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	458,298	3,300,814
From foreign mines .....	206,741	1,646,218
From own processing .....	133,288	986,227
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	21,873	191,844
Scrap iron and steel .....	7,402	50,377
Limestone .....	59,934	471,801
Dolomite .....	19,298	175,236
Coke .....	340,076	2,513,167

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
August

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	468,183	3,447	542,721	3,349
Foundry (including silvery pig)(2) .....	39,583	22,964	48,034	37,840
Malleable .....	40,503	24,991	39,254	26,931
Total pig iron .....	548,269	51,402	630,009	68,120
Ferro-alloys .....	15,125	12,615	12,155	13,466
Stocks of pig iron on hand at end of month ....	199,669		291,328	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Eight Months Ended August

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	4,363,743	49,978	4,100,663	28,332
Foundry (including silvery pig)(2) .....	309,340	244,071	354,554	272,751
Malleable .....	191,786	146,201	166,358	159,230
Total pig iron .....	4,864,869	440,250	4,621,575	460,313
Ferro-alloys .....	124,108	103,788	111,328	115,026

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	August		Eight months ended August	
	1966 <sup>r</sup>	1967	1966 <sup>r</sup>	1967
	net tons of 2,000 pounds			
Pig iron .....	478,714	539,587	4,320,588	4,054,818(1)
Scrap - Own make .....	248,555	242,571	2,047,205	2,013,520(1)
Purchased .....	143,224	164,179	1,397,610	1,394,171
Total pig iron and scrap .....	870,493	946,337	7,765,403	7,462,509

(1) Includes revisions for July.

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings  
August

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	655,227 <sup>r</sup>	29,679 <sup>r</sup>	730,975	15,601
Electric .....	101,772	11,473	87,919	8,689
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	756,999	41,152	818,894	24,290
Continuous cast steel included in above .....	38,257	x	54,904	x
Alloy steel ingots included in above .....	59,745	1,483	59,292	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	-	-
Electric .....	14,815	12,543	8,377	10,629
Other .....	-	-	(3)	(3)
Total steel castings .....	14,815	12,543	8,377	10,629
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	295	291	265	247
Manganese and abrasion resistant .....	2,643	2,530	1,829	1,862
All other alloys .....	713	717	507	472
Total alloy castings .....	3,651	3,538	2,601	2,581

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

<sup>r</sup> Revised figures.

x Figures deleted to ensure anonymity

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Eight Months Ended August

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	5,928,636 <sup>r</sup>	69,721 <sup>r</sup>	5,639,270	76,105
Electric .....	789,882	91,284	783,809	83,981
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	6,718,518	161,005	6,423,079	160,086
Continuous cast steel included in above .....	305,244	x	408,909	x
Alloy steel ingots included in above .....	528,913	11,488	475,215	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	121,548	113,679	100,953	101,414
Other .....	-	-	(3)	(3)
Total steel castings .....	121,548	113,679	100,953	101,414
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	3,341	3,223	3,407	3,271
Manganese and abrasion resistant .....	21,453	20,846	20,942	20,627
All other alloys .....	7,358	7,493	5,367	4,910
Total alloy castings .....	32,152	31,562	29,716	28,808

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Figures deleted to ensure anonymity.

Note: High Alloy castings included all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	August 1967		Eight months ended August 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	4	-	53
Export .....	689	187	6,353	3,022
Automotive and aircraft industries .....	407	-	3,339	11
Agricultural (including implement and equipment manufacturers) .....	95	21	967	308
Construction (including public works, public utilities and structural steel fabricators) ...	193	231	1,102	1,592
Machinery and tools .....	1,438	406	13,927	3,683
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	998	1,102	7,480	12,154
Railway operating .....	2,063	252	22,587	3,314
Railroad cars and locomotives .....	2,004	102	15,151	1,138
Shipbuilding .....	28	3	329	150
Miscellaneous (including grinding balls and railway car wheels) .....	133	273	1,371	3,383
Totals .....	8,048	2,581	72,606	28,808

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
net tons of 2,000 pounds					
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	779,691	6,912	786,603
August .....	630,009	12,155	818,894	8,377	827,271
September .....					
October .....					
November .....					
December .....					
Totals .....					



TABLE 11. Production and Shipments of Steel Pipe, Tubing and Fittings  
August

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	28,608	26,516	21,535	20,531
Over 4 1/2" outside diameter (excluding tubing and casing) .....	23,555	25,632	29,804	28,177
Mechanical and pressure tubing, casing and oil well tubing .....	16,989	17,257	16,761	16,177
Totals .....	69,152	69,405	68,100	64,885
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	154	148	117	115
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	575	490	374	394
Totals .....	729	638	491	509

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe, Tubing and Fittings  
Eight Months Ended August

	1966		1967(2)	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	166,917	167,439	185,377	174,670
Over 4 1/2" outside diameter (excluding tubing and casing) .....	203,820	192,905	247,689	237,302
Mechanical and pressure tubing, casing and oil well tubing .....	130,981	124,897	104,403	112,011
Totals .....	501,718	485,241	537,469	523,983
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	1,197	1,156	x	949
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	4,568	4,414	4,188	4,462
Totals .....	5,765	5,570	x	5,411

(1) Included with "Other".

(2) Includes revisions for July.

x Figures deleted to ensure anonymity.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
August 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	29,454	1,782	32,580	22,601	9,979
For forging and piercing .....	14,710	-	14,950	...	14,950
Rails .....	24,319	-	6,531	...	6,531
Wire rods .....	41,474	-	41,920	...	41,920
Structural shapes:					
Heavy, including piling .....	25,318	-	29,150	...	29,150
Bar-sized shapes .....	11,853	-	11,746	...	11,746
Concrete reinforcing bars .....	35,753	-	46,936	...	46,936
Other hot rolled bars:					
Flats .....	9,710	-	9,215	) 5,761	40,765
Other .....	32,999	-	37,311		
Tie plates and track material:					
Angle bars .....	168	-	313	...	313
Tie plates .....	7,711	-	1,162	...	1,162
Track spikes .....	428	-	595	...	595
Plates (including plates for pipes and tubes) .....	57,412	-	59,868	...	59,868
Hot rolled sheets .....	183,798	-	180,329	99,705	80,624
Hot rolled strip .....	16,456	-	17,591	550	17,041
Total hot rolled products ...	491,563	1,782	490,197	128,617	361,580
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,777	-	5,456	...	5,456
Cold reduced sheets and strip, tin mill black plate and tin plate .....	160,604	-	173,704	53,033	120,671
Galvanized sheets .....	54,084	-	56,202	...	56,202
Total cold rolled and coated ..	220,465	-	235,362	53,033	182,329
Total carbon steel .....	712,028	1,782	725,559	181,650	543,909
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	2,640	-	2,640	2,640	-
For forging and piercing .....	3,492	-	3,492	...	3,492
Alloy plates .....	907	-	907	...	907
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	22,931	-	20,174	69	20,105
Cold finished bars .....	584	-	596	...	596
Wire rods .....	76	-	-	...	-
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,827	1,153	8,491	-	8,491
Total alloy steel .....	36,457	1,153	36,300	2,709	33,591

... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Eight Months Ended August 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	342,916(1)	7,835	345,842	315,133	30,709
For forging and piercing .....	102,370	-	105,592	...	105,592
Rails .....	173,376	-	151,485	...	151,485
Wire rods .....	290,029	-	287,866	...	287,866
Structural shapes:					
Heavy, including piling .....	265,437	-	255,694	...	255,694
Bar-sized shapes .....	86,564	-	82,957	...	82,957
Concrete reinforcing bars .....	336,374	-	321,191	...	321,191
Other hot rolled bars:					
Flats .....	70,154	-	68,526	) 44,076	305,720
Other .....	289,589	-	281,270		
Tie plates and track material:					
Angle bars .....	9,243	-	8,894	...	8,894
Tie plates .....	30,240	-	22,864	...	22,864
Track spikes .....	7,185	-	8,112	...	8,112
Plates (including plates for pipes and tubes) .....	621,188	-	624,648	...	624,648
Hot rolled sheets .....	1,403,377	-	1,393,017	779,912	613,105
Hot rolled strip .....	159,147	-	172,025	5,335	166,690
Total hot rolled products ...	4,187,189(1)	7,835	4,129,983	1,144,456	2,985,527
<u>Cold rolled and coated</u>					
Cold finished bars .....	47,296	51	46,975	...	46,975
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,335,415	-	1,331,678	408,177	923,501
Galvanized sheets .....	361,933	-	357,037	...	357,037
Total cold rolled and coated ..	1,744,644	51	1,735,690	408,177	1,327,513
Total carbon steel .....	5,931,833(1)	7,886	5,865,673	1,552,633	4,313,040
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	15,089	-	15,089	15,089	-
For forging and piercing .....	29,018	-	29,018	-	29,018
Alloy plates .....	7,504	-	7,504	-	7,504
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	156,668	-	152,582	773	151,809
Cold finished bars .....	4,593	-	4,440	-	4,440
Wire rods .....	2,327	-	2,327	-	2,327
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	48,557	17,662	59,746	-	59,746
Total alloy steel .....	263,756	17,662	270,706	15,862	254,844

(1) Includes revisions to date.

... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		August 1967		Eight months ended August 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	63,911	1,902	488,929	18,649
b	Other warehouses .....	5,307	36	45,980	452
6	Automotive and aircraft industries	57,055	13,102	339,707(2)	84,530
7	Agricultural .....	14,350	350	118,459(2)	2,522
8a	Contractors - Building .....	44,885	-	288,563	143
b	Construction - Public and utility ..	4,370	29	38,872	243
c	Structural steel fabricators .....	62,162	655	487,331	5,094
9	Containers .....	39,482	1	342,013	256
10	Machinery and tools .....	19,485	2,362	159,506	19,943
11	Wire, wire products and fasteners ..	47,533	2,607	334,971	13,304
12	Natural resources and extractive industries .....	13,518	1,293	93,092	18,474
13	Appliances and utensils .....	15,304	65	99,843	1,169
14	Other metal stamping and pressing ..	29,292	1,088	231,125	9,624
16	Railway operating .....	7,284	-	187,710	8
17	Railroad cars and locomotives .....	4,767	99	60,024	718
18	Shipbuilding .....	3,039	-	42,912	427
19	Pipes and tubes .....	48,810	1,415	540,518	12,119
20	Miscellaneous .....	1,960	271	16,590	1,211
	Total domestic shipments .....	482,514	25,275	3,916,145	188,886
5a	Export - For conversion and return				
i	USA .....	-	2,647	210	20,021
ii	Other countries .....	-	-	19	-
5b	Other export (for final sale)				
i	USA .....	34,522	3,141	223,012	32,134
ii	Other countries .....	26,873	2,528	173,654	13,803
	Total domestic and export shipments .....	543,909	33,591	4,313,040	254,844
	Imports by producers (including conversion) .....	1,782	1,153	7,886	17,662
	Total net shipments .....	542,127	32,438	4,305,154	237,182

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes revisions for July.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
August 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	11	48	13	4,717	2,486	12,763	5,560
b	Other warehouses .....	-	- 9	-	1,057	222	182	259
6	Automotive and aircraft industries .....	2,938	7	-	224	13	-	18,622
7	Agriculture .....	-	-	11	1,002	616	-	6,037
8a	Contractors - Building ...	-	-	104	196	397	9,609	346
b	Construction - Public and utility .....	-	-	-	259	28	3,094	328
c	Structural steel fabri- cators .....	-	9	50	17,446	5,471	12,573	2,404
9	Containers .....	-	-	-	-	-	-	68
10	Machinery and tools .....	348	12	288	431	51	7	2,539
11	Wire, wire products and fasteners .....	406	-	39,265	23	82	53	7,396
12	Natural resources and extractive industries ..	226	1,781	113	1,006	97	1,027	7,249
13	Appliances and utensils ..	-	-	-	23	10	-	40
14	Other metal stamping and pressing .....	120	30	367	348	517	6,316	3,894
16	Railway operating .....	13	4,422	-	224	30	-	468
17	Railroad cars and loco- motives .....	1,032	22	-	141	34	-	257
18	Shipbuilding .....	-	-	-	699	7	-	40
19	Pipes and tubes .....	12,643	-	208	-	-	-	-
20	Miscellaneous .....	5	-	405	18	48	175	418
Total domestic shipments		17,742	6,322	40,824	27,814	10,109	45,799	55,925
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	10,679	209	741	1,263	1,637	1,039	4,342
ii	Other countries .....	-	-	355	73	-	98	603
Total domestic and export shipments ...		28,421	6,531	41,920	29,150	11,746	46,936	60,870
Imports by producers (in- cluding conversion) ....		1,782	-	-	-	-	-	-
Total net shipments		26,639	6,531	41,920	29,150	11,746	46,936	60,870

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
August 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
70	9,121	9,060	245	1,898	10,956	8,865	65,813	4a
-	1,315	1,469	105	-	743	-	5,343	b
-	512	28,932	1,930	1,783	13,359	1,837	70,157	6
-	1,450	2,925	134	893	1,354	278	14,700	7
19	641	2,811	80	20	3,662	27,000	44,885	8a
-	150	323	-	-	217	-	4,399	b
24	15,087	3,464	918	40	912	4,419	62,817	c
-	527	542	214	5	38,069	58	39,483	9
1	6,282	3,523	557	704	6,631	473	21,847	10
11	279	1,072	3	207	1,140	203	50,140	11
273	1,512	459	-	64	404	600	14,811	12
-	558	2,305	33	102	10,726	1,572	15,369	13
6	2,217	3,840	200	297	9,963	2,265	30,380	14
1,663	390	45	-	-	-	29	7,284	16
1	2,705	478	-	-	196	-	4,866	17
-	2,058	167	-	-	18	50	3,039	18
-	12,270	7,163	12,582	-	4,842	517	50,225	19
2	107	76	-	24	773	180	2,231	20
2,070	57,181	68,654	17,001	6,037	103,965	48,346	507,789	
-	-	-	-	-	2,647	-	2,647	5a
-	-	-	-	-	-	-	-	i
								ii
-	3,594	4,626	40	1	7,056	2,436	37,663	5b
-	-	7,344	-	14	15,494	5,420	29,401	i
								ii
2,070	60,775	80,624	17,041	6,052	129,162	56,202	577,500	
-	-	-	-	-	1,153	-	2,935	
2,070	60,775	80,624	17,041	6,052	128,009	56,202	574,565	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Eight Months Ended August 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	176	254	226	42,057	15,032	74,471	50,683
b	Other warehouses .....	-	569	1,447	10,202	1,609	962	2,280
6	Automotive and aircraft industries .....	22,118	7	4	1,956	634	102	112,091
7	Agriculture .....	-	-	103	5,844	6,675	-	37,410
8a	Contractors - Building ...	9	9	273	3,628	1,239	49,670	3,811
b	Construction - Public and utility .....	-	617	-	1,017	155	25,689	3,432
c	Structural steel fabri- cators .....	996	456	1,082	150,478	40,514	98,830	27,345
9	Containers .....	-	-	33	68	-	-	529
10	Machinery and tools .....	2,587	306	4,799	5,785	2,021	1,257	23,748
11	Wire, wire products and fasteners .....	5,358	-	264,773	74	1,027	1,051	51,245
12	Natural resources and extractive industries ..	3,143	7,428	206	5,867	736	9,062	62,825
13	Appliances and utensils ..	-	-	19	297	93	326	535
14	Other metal stamping and pressing .....	2,005	501	1,792	1,867	4,111	47,734	27,725
16	Railway operating .....	168	136,652	26	1,432	610	13	4,567
17	Railroad cars and loco- motives .....	16,242	39	-	9,445	317	-	2,974
18	Shipbuilding .....	-	50	-	6,070	160	-	1,326
19	Pipes and tubes .....	72,057	-	681	-	-	-	365
20	Miscellaneous .....	345	198	4,428	307	126	2,593	2,507
Total domestic shipments		125,204	147,086	279,892	246,394	75,059	311,760	415,398
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	189	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	40,115	4,399	2,058	9,154	7,762	9,011	37,157
ii	Other countries .....	-	-	8,054	146	136	420	4,974
Total domestic and export shipments ...		165,319	151,485	290,193	255,694	82,957	321,191	457,529
Imports by producers (in- cluding conversion) ....		7,835	-	-	-	-	-	-
Total net shipments		157,484	151,485	290,193	255,694	82,957	321,191	457,529

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions for July.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Eight Months Ended August 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
466 90	73,518 12,203	78,122 13,673	1,758 658	18,078 -	89,521 2,739	63,216 -	507,578 46,432	4a b
-	3,023	157,305	11,177	13,304	92,105(3)	10,411	424,237(3)	6
-	9,373	36,041	1,759	7,737	13,048(3)	2,991	120,981(3)	7
38	6,841	27,790	1,530	143	26,405	167,320	288,706	8a
16	1,807	4,419	6	-	1,957	-	39,115	b
31	119,200	25,579	4,476	440	4,459	18,539	492,425	c
-	700	3,848	915	17	335,170	989	342,269	9
81	43,185	31,557	4,461	6,011	48,894	4,757	179,449	10
1,857	1,849	9,752	385	1,897	7,637	1,370	348,275	11
911	12,144	2,636	34	208	2,036	4,330	111,566	12
-	3,725	15,958	235	1,018	68,249	10,557	101,012	13
10	17,991	36,779	4,377	2,090	80,082	13,685	240,749	14
36,140	6,284	1,550	-	-	32	244	187,718	16
2	25,388	4,735	-	35	1,179	386	60,742	17
-	33,379	1,740	27	62	178	347	43,339	18
33	228,254	73,644	134,533	-	38,847	4,223	552,637	19
21	573	132	66	189	5,168	1,148	17,801	20
39,696	599,437	525,260	166,397	51,229	817,706	304,513	4,105,031	
-	-	-	21	-	20,021	-	20,231	5a i
-	-	-	19	-	-	-	19	ii
167 7	32,715 -	42,867 44,978	253 -	53 133	54,375 91,145	15,060 37,464	255,146 187,457	5b i ii
39,870	632,152	613,105	166,690	51,415	983,247	357,037	4,567,884	
-	-	-	-	51	15,944	-	23,830	
39,870	632,152	613,105	166,690	51,364	967,303	357,037	4,544,054	



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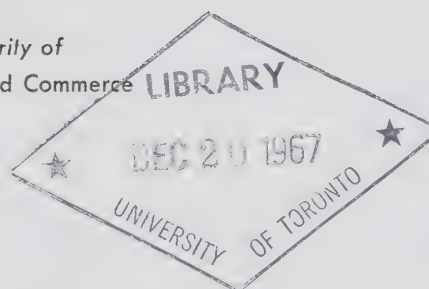
MONTHLY



# PRIMARY IRON AND STEEL

## SEPTEMBER 1967

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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	September 1967	Nine months ended September 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	30,370	336,688
From foreign mines .....	80,524	562,741
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	415,398	3,716,212
From foreign mines .....	179,304	1,825,522
From own processing .....	122,615	1,108,842
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	21,040	212,884
Scrap iron and steel .....	4,726	55,103
Limestone .....	53,494	525,295
Dolomite .....	24,026	199,262
Coke .....	306,193	2,819,360

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
September

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	525,862	4,320	504,475	5,192
Foundry (including silvery pig)(2) .....	38,293	47,983	44,137	42,938
Malleable .....	42,174	31,067	18,944	16,770
Total pig iron .....	606,329	83,370	567,556	64,900
Ferro-alloys .....	14,578	15,240	12,941	11,041
Stocks of pig iron on hand at end of month ....	169,540		280,889	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Nine Months Ended September

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	4,889,605	54,298	4,605,138	33,524
Foundry (including silvery pig)(2) .....	347,633	292,054	398,691	315,689
Malleable .....	233,960	177,268	185,302	176,000
Total pig iron .....	5,471,198	523,620	5,189,131	525,213
Ferro-alloys .....	138,686	119,028	124,269	126,067

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	September		Nine months ended September	
	1966	1967	1966	1967
	net tons of 2,000 pounds			
Pig iron .....	521,413	498,398	4,842,001	4,553,216
Scrap - Own make .....	233,773	220,391	2,280,978	2,233,911
Purchased .....	176,017	142,674	1,573,627	1,536,845
Total pig iron and scrap .....	931,203	861,463	8,696,606	8,323,972

TABLE 7. Production and Shipments of Steel Ingots and Castings  
September

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	720,634	10,875	670,004	25,833
Electric .....	100,698	11,633	79,750	11,219
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	821,332	22,508	749,754	37,052
Continuous cast steel included in above .....	40,841	x	51,771	x
Alloy steel ingots included in above .....	63,176	1,376	50,867	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	-	-
Electric .....	17,055	14,210	8,939	10,923
Other .....	-	-	(3)	(3)
Total steel castings .....	17,055	14,210	8,939	10,923
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	323	314	317	272
Manganese and abrasion resistant .....	3,253	3,244	2,286	2,249
All other alloys .....	981	1,139	337	375
Total alloy castings .....	4,557	4,697	2,940	2,896

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

x Figures deleted to ensure anonymity.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Nine Months Ended September

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	6,649,270	80,596	6,311,474(3)	101,938
Electric .....	890,580	102,917	863,559	95,200
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	7,539,850	183,513	7,175,033(3)	197,138
Continuous cast steel included in above .....	346,085	x	462,880(3)	x
Alloy steel ingots included in above .....	592,089	12,864	526,082	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	138,603	127,889	109,892	112,337
Other .....	-	-	(4)	(4)
Total steel castings .....	138,603	127,889	109,892	112,337
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	3,664	3,537	3,724	3,543
Manganese and abrasion resistant .....	24,706	24,090	23,228	22,876
All other alloys .....	8,339	8,632	5,704	5,285
Total alloy castings .....	36,709	36,259	32,656	31,704

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Includes revisions to date. (4) Included with "Electric". x Figures deleted to ensure anonymity.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	September 1967		Nine months ended September 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	5	-	58
Export .....	982	162	7,335	3,184
Automotive and aircraft industries .....	460	-	3,799	11
Agricultural (including implement and equipment manufacturers) .....	72	14	1,039	322
Construction (including public works, public utilities and structural steel fabricators) ...	62	264	1,164	1,856
Machinery and tools .....	1,560	506	15,487	4,189
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,018	1,412	8,498	13,566
Railway operating .....	2,279	178	24,866	3,492
Railroad cars and locomotives .....	1,419	19	16,570	1,157
Shipbuilding .....	35	4	364	154
Miscellaneous (including grinding balls and railway car wheels) .....	140	332	1,511	3,715
Totals .....	8,027	2,896	80,633	31,704

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
net tons of 2,000 pounds					
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142 <sup>r</sup>	6,912	788,054 <sup>r</sup>
August .....	630,009	12,155	819,643 <sup>r</sup>	8,377	828,020 <sup>r</sup>
September .....	567,556	12,941	749,754	8,939	758,693
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe, Tubing and Fittings  
September

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	22,874	23,578	27,186	21,295
Over 4 1/2" outside diameter (excluding tubing and casing) .....	22,626	26,728	11,868	23,676
Mechanical and pressure tubing, casing and oil well tubing .....	22,490	20,652	15,931	15,644
Totals .....	67,990	70,958	54,985	60,615
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	148	156	124	108
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	461	559	449	460
Totals .....	609	715	573	568

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe, Tubing and Fittings  
Nine Months Ended September

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	189,791	191,017	212,563	195,965
Over 4 1/2" outside diameter (excluding tubing and casing) .....	226,446	219,633	259,557	260,978
Mechanical and pressure tubing, casing and oil well tubing .....	153,471	145,549	120,334	127,655
Totals .....	569,708	556,199	592,454	584,598
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	1,345	1,312	x	1,057
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	5,029	4,973	4,637	4,922
Totals .....	6,374	6,285	x	5,979

(1) Included with "Other".

x Figures deleted to ensure anonymity.

TABLE 13 Production and Disposition of Shipments of Ingots and Rolled Steel Products  
September 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	23,840	-	46,847	24,747	22,100
For forging and piercing .....	23,798	-	15,225	...	15,225
Rails .....	22,521	-	31,875	...	31,875
Wire rods .....	42,344	-	38,220	...	38,220
Structural shapes:					
Heavy, including piling .....	24,351	-	30,543	...	30,543
Bar-sized shapes .....	11,133	-	11,155	...	11,155
Concrete reinforcing bars .....	31,459	-	45,325	...	45,325
Other hot rolled bars:					
Flats .....	7,532	-	8,151	) 4,388	36,480
Other .....	34,028	-	32,717		
Tie plates and track material:					
Angle bars .....	541	-	910	...	910
Tie plates .....	617	-	2,733	...	2,733
Track spikes .....	667	-	684	...	684
Plates (including plates for pipes and tubes) .....	48,054	-	53,881	-	53,881
Hot rolled sheets .....	192,303	-	188,825	109,058	79,767
Hot rolled strip .....	16,844	-	20,641	555	20,086
Total hot rolled products ...	480,032	-	527,732	138,748	388,984
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,244	-	5,406	...	5,406
Cold reduced sheets and strip, tin mill black plate and tin plate .....	174,066	-	155,126	48,747	106,379
Galvanized sheets .....	50,263	-	52,463	...	52,463
Total cold rolled and coated ..	229,573	-	212,995	48,747	164,248
Total carbon steel .....	709,605	-	740,727	187,495	553,232
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	2,027	-	2,027	2,027	-
For forging and piercing .....	3,105	-	3,105	...	3,105
Alloy plates .....	967	-	967	...	967
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	16,862	-	17,888	512	17,376
Cold finished bars .....	414	-	424	...	424
Wire rods .....	248	-	248	...	248
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,628	2,202	8,693	-	8,693
Total alloy steel .....	29,251	2,202	33,352	2,539	30,813

... Figures not appropriate or not applicable.

TABLE 14 Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Nine Months Ended September 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	366,756	7,835	392,689	339,880	52,809
For forging and piercing .....	126,168	-	120,817	...	120,817
Rails .....	195,897	-	183,360	...	183,360
Wire rods .....	332,373	-	326,086	...	326,086
Structural shapes:					
Heavy, including piling .....	289,788	-	286,237	...	286,237
Bar-sized shapes .....	97,697	-	94,112	...	94,112
Concrete reinforcing bars .....	367,833	-	366,516	...	366,516
Other hot rolled bars:					
Flats .....	77,686	-	76,677 )	48,464	342,200
Other .....	323,617	-	313,987 )		
Tie plates and track material:					
Angle bars .....	9,784	-	9,804	...	9,804
Tie plates .....	30,857	-	25,597	...	25,597
Track spikes .....	7,852	-	8,796	...	8,796
Plates (including plates for pipes and tubes) .....	669,242	-	678,529	...	678,529
Hot rolled sheets .....	1,595,680	-	1,581,842	888,970	692,872
Hot rolled strip .....	175,991	-	192,666	5,890	186,776
Total hot rolled products ...	4,667,221	7,835	4,657,715	1,283,204	3,374,511
<u>Cold rolled and coated</u>					
Cold finished bars .....	52,540	51	52,381	...	52,381
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,509,481	-	1,486,804	456,924	1,029,880
Galvanized sheets .....	412,196	-	409,500	...	409,500
Total cold rolled and coated ..	1,974,217	51	1,948,685	456,924	1,491,761
Total carbon steel .....	6,641,438	7,886	6,606,400	1,740,128	4,866,272
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	17,116	-	17,116	17,116	-
For forging and piercing .....	32,123	-	32,123	...	32,123
Alloy plates .....	8,471	-	8,471	...	8,471
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	173,530	-	170,470	1,285	169,185
Cold finished bars .....	5,007	-	4,864	...	4,864
Wire rods .....	2,575	-	2,575	...	2,575
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	54,185	19,864	68,439	-	68,439
Total alloy steel .....	293,007	19,864	304,058	18,401	285,657

... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		September 1967		Nine months ended September 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	54,787	1,283	543,716	19,932
b	Other warehouses .....	4,647	100	50,627	552
6	Automotive and aircraft industries	50,070	9,467	389,777	93,997
7	Agricultural .....	19,160	193	137,619	2,715
8a	Contractors - Building .....	41,048	3	329,611	146
b	Construction - Public and utility ..	5,414	-	44,286	243
c	Structural steel fabricators .....	58,246	796	545,577	5,890
9	Containers .....	33,536	158	375,549	414
10	Machinery and tools .....	18,950	4,706	178,456	24,649
11	Wire, wire products and fasteners ..	44,646	731	379,617	14,035
12	Natural resources and extractive industries .....	17,361	2,493	110,453	20,967
13	Appliances and utensils .....	13,669	148	113,512	1,317
14	Other metal stamping and pressing ..	28,548	772	259,673	10,396
16	Railway operating .....	5,917	-	193,627	8
17	Railroad cars and locomotives .....	5,572	35	65,596	753
18	Shipbuilding .....	4,630	8	47,542	435
19	Pipes and tubes .....	50,328	1,414	590,846	13,533
20	Miscellaneous .....	2,514	210	19,104	1,421
	Total domestic shipments .....	459,043	22,517	4,375,188	211,403
5a	Export - For conversion and return				
i	USA .....	-	3,200	210	23,221
ii	Other countries .....	-	-	19	-
5b	Other export (for final sale)				
i	USA .....	50,149	2,869	273,161	35,003
ii	Other countries .....	44,040	2,227	217,694	16,030
	Total domestic and export shipments .....	553,232	30,813	4,866,272	285,657
	Imports by producers (including conversion) .....	-	2,202	7,886	19,864
	Total net shipments .....	553,232	28,611	4,858,386	265,793

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
September 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	8	-	10	3,984	1,653	8,949	4,562
b	Other warehouses .....	-	150	-	1,005	133	2	240
6	Automotive and aircraft industries .....	3,491	-	19	108	55	19	14,302
7	Agriculture .....	-	-	-	1,000	970	-	5,301
8a	Contractors - Building ...	-	21	-	558	71	9,081	279
b	Construction - Public and utility .....	-	-	-	53	7	3,768	353
c	Structural steel fabri- cators .....	66	68	70	16,919	4,594	14,038	3,574
9	Containers .....	-	-	-	-	-	-	247
10	Machinery and tools .....	292	3	359	398	194	651	4,318
11	Wire, wire products and fasteners .....	669	-	36,313	-	85	72	4,018
12	Natural resources and extractive industries ..	243	5,625	82	601	55	340	8,946
13	Appliances and utensils ..	-	4	-	254	-	-	37
14	Other metal stamping and pressing .....	143	19	202	371	548	7,381	2,095
16	Railway operating .....	-	1,987	-	1,117	54	-	617
17	Railroad cars and loco- motives .....	1,498	-	-	909	4	-	127
18	Shipbuilding .....	-	-	-	508	3	-	96
19	Pipes and tubes .....	10,840	-	10	-	-	-	25
20	Miscellaneous .....	249	-	241	17	1	253	416
Total domestic shipments		17,499	7,877	37,306	27,802	8,427	44,554	49,553
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	22,931	389	530	2,739	2,728	759	3,718
ii	Other countries .....	-	23,609	632	2	-	12	585
Total domestic and export shipments ...		40,430	31,875	38,468	30,543	11,155	45,325	53,856
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Total net shipments		40,430	31,875	38,468	30,543	11,155	45,325	53,856

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
September 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
39	6,917	9,095	284	1,584	9,887	9,098	56,070	4a
7	1,002	1,604	126	-	478	-	4,747	b
-	348	22,488	1,934	1,542	13,241	1,990	59,537	6
-	1,516	5,826	423	1,355	1,949	1,013	19,353	7
-	804	3,608	206	27	2,947	23,449	41,051	8a
-	281	555	-	-	397	-	5,414	b
2	12,556	3,190	391	75	563	2,936	59,042	c
-	-	302	54	-	32,976	115	33,694	9
-	5,656	3,598	418	680	6,467	622	23,656	10
358	280	1,232	585	163	1,512	90	45,377	11
1,107	1,300	713	-	2	315	525	19,854	12
-	690	2,271	126	163	8,428	1,844	13,817	13
-	2,267	4,205	403	191	9,156	2,339	29,320	14
1,397	660	69	-	-	-	16	5,917	16
1	2,172	804	-	4	88	-	5,607	17
-	3,842	148	-	-	-	41	4,638	18
-	10,377	9,879	15,118	29	5,075	389	51,742	19
1	-	10	18	1	1,381	136	2,724	20
2,912	50,668	69,597	20,086	5,816	94,860	44,603	481,560	
-	-	-	-	-	3,200	-	3,200	5a
-	-	-	-	-	-	-	-	i
-	-	-	-	-	-	-	-	ii
-	4,180	7,519	-	2	6,181	1,342	53,018	i
1,415	-	2,651	-	12	10,831	6,518	46,267	ii
4,327	54,848	79,767	20,086	5,830	115,072	52,463	584,045	
-	-	-	-	-	2,202	-	2,202	
4,327	54,848	79,767	20,086	5,830	112,870	52,463	581,843	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Nine Months Ended September 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	184	254	236	46,041	16,685	83,420	55,245
b	Other warehouses .....	-	719	1,447	11,207	1,742	964	2,520
6	Automotive and aircraft industries .....	25,609	7	23	2,064	689	121	126,393
7	Agriculture .....	-	-	103	6,844	7,645	-	42,711
8a	Contractors - Building ...	9	30	273	4,186	1,310	58,751	4,090
b	Construction - Public and utility .....	-	617	-	1,070	162	29,457	3,785
c	Structural steel fabri- cators .....	1,062	524	1,152	167,397	45,108	112,868	30,919
9	Containers .....	-	-	33	68	-	-	776
10	Machinery and tools .....	2,879	309	5,158	6,183	2,215	1,908	28,066
11	Wire, wire products and fasteners .....	6,027	-	301,086	74	1,112	1,123	55,263
12	Natural resources and extractive industries ..	3,386	13,053	288	6,468	791	9,402	71,771
13	Appliances and utensils ..	-	4	19	551	93	326	572
14	Other metal stamping and pressing .....	2,148	520	1,994	2,238	4,659	55,115	29,820
16	Railway operating .....	168	138,639	26	2,549	664	13	5,184
17	Railroad cars and loco- motives .....	17,740	39	-	10,354	321	-	3,101
18	Shipbuilding .....	-	50	-	6,578	163	-	1,422
19	Pipes and tubes .....	82,897	-	691	-	-	-	390
20	Miscellaneous .....	594	198	4,669	324	127	2,846	2,923
Total domestic shipments		142,703	154,963	317,198	274,196	83,486	356,314	464,951
5a	Export - For conversion and return							
i	USA .....	-	-	189	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	63,046	4,788	2,588	11,893	10,490	9,770	40,875
ii	Other countries .....	-	23,609	8,686	148	136	432	5,559
Total domestic and export shipments ...		205,749	183,360	328,661	286,237	94,112	366,516	511,385
Imports by producers (in- cluding conversion) ....		7,835	-	-	-	-	-	-
Total net shipments		197,914	183,360	328,661	286,237	94,112	366,516	511,385

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Nine Months Ended September 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
505	80,435	87,217	2,042	19,662	99,408	72,314	563,648	4a
97	13,205	15,277	784	-	3,217	-	51,179	b
-	3,371	179,793	13,111	14,846	105,346	12,401	483,774	6
-	10,889	41,867	2,182	9,092	14,997	4,004	140,334	7
38	7,645	31,398	1,736	170	29,352	190,769	329,757	8a
16	2,088	4,974	6	-	2,354	-	44,529	b
33	131,756	28,769	4,867	515	5,022	21,475	551,467	c
-	700	4,150	969	17	368,146	1,104	375,963	9
81	48,841	35,155	4,879	6,691	55,361	5,379	203,105	10
2,215	2,129	10,984	970	2,060	9,149	1,460	393,652	11
2,018	13,444	3,349	34	210	2,351	4,855	131,420	12
-	4,415	18,229	361	1,181	76,677	12,401	114,829	13
10	20,258	40,984	4,780	2,281	89,238	16,024	270,069	14
37,537	6,944	1,619	-	-	32	260	193,635	16
3	27,560	5,539	-	39	1,267	386	66,349	17
-	37,221	1,888	27	62	178	388	47,977	18
33	238,631	83,523	149,651	29	43,922	4,612	604,379	19
22	573	142	84	190	6,549	1,284	20,525	20
42,608	650,105	594,857	186,483	57,045	912,566	349,116	4,586,591	
-	-	-	21	-	23,221	-	23,431	5a
-	-	-	19	-	-	-	19	i ii
167	36,895	50,386	253	55	60,556	16,402	308,164	5b
1,422	-	47,629	-	145	101,976	43,982	233,724	i ii
44,197	687,000	692,872	186,776	57,245	1,098,319	409,500	5,151,929	
-	-	-	-	51	19,864 (3)	-	27,750 (3)	
44,197	687,000	692,872	186,776	57,194	1,078,455 (3)	409,500	5,124,179 (3)	

(3) Includes revision for July.





CATALOGUE No.

41-001

MONTHLY



# PRIMARY IRON AND STEEL

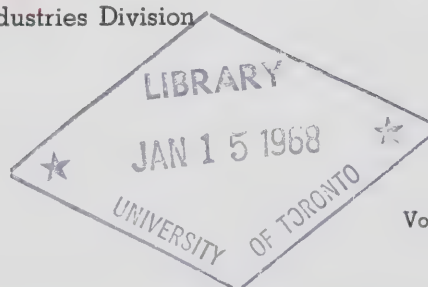
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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	October 1967	Ten months ended October 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	32,646	369,334
From foreign mines .....	58,876	621,617
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	489,001	4,205,213
From foreign mines .....	185,861	2,011,383
From own processing .....	129,864	1,238,706
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	22,827	235,711
Scrap iron and steel .....	5,940	61,043
Limestone .....	59,013	584,308
Dolomite .....	24,338	223,600
Coke .....	342,858	3,162,218

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
October

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	547,886	2,514	553,332	3,390
Foundry (including silvery pig) (2) .....	40,741	42,523	44,719	30,841
Malleable .....	51,735	32,353	23,923	23,991
Total pig iron .....	640,362	77,390	621,974	58,222
Ferro-alloys .....	17,525	16,009	14,627	14,405
Stocks of pig iron on hand at end of month ....	208,980		291,760	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Ten Months Ended October

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	5,437,491	56,812	5,158,470	36,914
Foundry (including silvery pig) (2) .....	388,374	334,577	443,410	346,530
Malleable .....	285,695	209,621	209,225	199,991
Total pig iron .....	6,111,560	601,010	5,811,105	583,435
Ferro-alloys .....	156,211	135,037	138,896	140,472

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	October		Ten months ended October	
	1966	1967	1966	1967(1)
	net tons of 2,000 pounds			
Pig iron .....	547,216	543,557	5,389,217	5,096,773
Scrap - Own make .....	249,938	246,151	2,530,916	2,477,657
Purchased .....	173,686	172,341	1,747,313	1,705,958
Total pig iron and scrap .....	970,840	962,049	9,667,446	9,280,388

(1) Includes revisions for September.

TABLE 7. Production and Shipments of Steel Ingots and Castings  
October

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	752,376	28,306	753,444	23,283
Electric .....	89,308	9,624	82,335	8,675
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	841,684	37,930	835,779	31,958
Continuous cast steel included in above .....	30,458	x	63,773	x
Alloy steel ingots included in above .....	67,491	1,436	59,430	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	(3)	(3)
Electric .....	16,887	15,391	10,580	9,629
Other .....	-	-	(3)	(3)
Total steel castings .....	16,887	15,391	10,580	9,629
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	389	343	282	272
Manganese and abrasion resistant .....	3,230	3,050	2,325	2,134
All other alloys .....	1,034	956	305	310
Total alloy castings .....	4,653	4,349	2,912	2,716

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

x Figures deleted to ensure anonymity.

Note: High alloy castings include all castings with an alloy content of 8% and over.



TABLE 8. Production and Shipments of Steel Ingots and Castings  
Ten Months Ended October

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	7,401,646	108,902	7,064,918	125,221
Electric .....	979,888	112,541	943,335(3)	103,875
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	8,381,534	221,443	8,008,253(3)	229,096
Continuous cast steel included in above .....	376,543	x	526,653	x
Alloy steel ingots included in above .....	659,580	14,300	585,512	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(4)	(4)	(4)	(4)
Electric .....	155,490	143,280	120,472	121,966
Other .....	-	-	(4)	(4)
Total steel castings .....	155,490	143,280	120,472	121,966
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	4,053	3,880	4,006	3,815
Manganese and abrasion resistant .....	27,936	27,140	25,553	25,010
All other alloys .....	9,373	9,588	6,009	5,595
Total alloy castings .....	41,362	40,608	35,568	34,420

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Includes revisions for September. (4) Included with "Electric". x Figures deleted to ensure anonymity.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	October 1967		Ten months ended October 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	7	-	65
Export .....	543	170	7,878	3,354
Automotive and aircraft industries .....	393	-	4,192	11
Agricultural (including implement and equipment manufacturers) .....	65	27	1,104	349
Construction (including public works, public utilities and structural steel fabricators) ...	129	282	1,293	2,138
Machinery and tools .....	1,354	327	16,841	4,516
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,178	1,295	9,676	14,861
Railway operating .....	2,318	237	27,184	3,729
Railroad cars and locomotives .....	731	41	17,301	1,198
Shipbuilding .....	25	10	389	164
Miscellaneous (including grinding balls and railway car wheels) .....	177	320	1,688	4,035
Totals .....	6,913	2,716	87,546	34,420

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195 <sup>r</sup>	8,939	756,134 <sup>r</sup>
October .....	621,974	14,627	835,779	10,580	846,359
November .....					
December .....					
Totals .....					

<sup>r</sup> Revised figures.

TABLE 11. Production and Shipments of Steel Pipe, Tubing and Fittings  
October

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	18,238	17,189	17,344	20,720
Over 4 1/2" outside diameter (excluding tubing and casing) .....	27,712	18,366	16,754	19,452
Mechanical and pressure tubing, casing and oil well tubing .....	17,116	16,316	18,851	17,740
Totals .....	63,066	51,871	52,949	57,912
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	164	142	153	156
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	565	495	524	476
Totals .....	729	637	677	632

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing and Fittings  
Ten Months Ended October(1)

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	208,029	208,206	222,215	218,384
Over 4 1/2" outside diameter (excluding tubing and casing) .....	254,158	237,999	281,162	274,687
Mechanical and pressure tubing, casing and oil well tubing .....	170,587	161,865	139,785	145,276
Totals .....	632,774	608,070	643,162	638,347
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	1,509	1,454	x	1,213
Nipples .....	(2)	(2)	(2)	(2)
Other, including flanges and flanged fittings ...	5,594	5,468	5,161	5,398
Totals .....	7,103	6,922	x	6,611

(1) Includes revisions for September.

(2) Included with "Other".

x Figures deleted to ensure anonymity.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
October 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	47,127	-	50,839	24,782	26,057
For forging and piercing .....	15,288	-	20,679	...	20,679
Rails .....	23,577	-	28,294	...	28,294
Wire rods .....	32,184	-	33,467	...	33,467
Structural shapes:					
Heavy, including piling .....	31,708	-	27,699	...	27,699
Bar-sized shapes .....	13,047	-	12,187	...	12,187
Concrete reinforcing bars .....	44,504	-	49,027	...	49,027
Other hot rolled bars:					
Flats .....	12,604	-	12,103	) 3,558	35,676
Other .....	27,353	-	27,131		
Tie plates and track material:					
Angle bars .....	1,674	-	227	...	227
Tie plates .....	3,655	-	5,894	...	5,894
Track spikes .....	921	-	1,053	...	1,053
Plates (including plates for pipes and tubes) .....	57,712	-	52,464	...	52,464
Hot rolled sheets .....	184,755	-	191,371	104,840	86,531
Hot rolled strip .....	11,818	-	12,778	1,044	11,734
Total hot rolled products ...	507,927	-	525,213	134,224	390,989
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,456	-	5,177	...	5,177
Cold reduced sheets and strip, tin mill black plate and tin plate .....	176,576	-	164,183	51,668	112,515
Galvanized sheets .....	44,069	-	45,433	...	45,433
Total cold rolled and coated ..	226,101	-	214,793	51,668	163,125
Total carbon steel .....	734,028	-	740,006	185,892	554,114
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	276	-	276	276	-
For forging and piercing .....	4,983	-	4,983	...	4,983
Alloy plates .....	1,079	-	1,079	...	1,079
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	24,473	-	24,481	143	24,338
Cold finished bars .....	416	-	409	...	409
Wire rods .....	162	-	162	...	162
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,501	2,418	7,588	-	7,588
Total alloy steel .....	36,890	2,418	38,978	419	38,559

... Figures not appropriate or not applicable.



TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Ten Months Ended October 1967(1)

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	413,883	7,835	443,528	364,662	78,866
For forging and piercing .....	141,456	-	141,496	...	141,496
Rails .....	219,474	-	215,732	...	215,732
Wire rods .....	364,557	-	359,553	...	359,553
Structural shapes:					
Heavy, including piling .....	321,496	-	313,936	...	313,936
Bar-sized shapes .....	110,744	-	106,299	...	106,299
Concrete reinforcing bars .....	412,337	-	415,543	...	415,543
Other hot rolled bars:					
Flats .....	90,290	-	88,780	) 52,022	377,876
Other .....	350,970	-	341,118		
Tie plates and track material:					
Angle bars .....	11,458	-	10,031	...	10,031
Tie plates .....	34,512	-	31,491	...	31,491
Track spikes .....	8,773	-	9,747	...	9,747
Plates (including plates for pipes and tubes) .....	726,405	-	730,741	...	730,741
Hot rolled sheets .....	1,780,213	-	1,772,964	993,810	779,154
Hot rolled strip .....	185,855	-	199,590	6,934	192,656
Total hot rolled products ...	5,172,423	7,835	5,180,549	1,417,428	3,763,121
<u>Cold rolled and coated</u>					
Cold finished bars .....	57,996	51	57,558	...	57,558
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,686,057	-	1,650,987	508,592	1,142,395
Galvanized sheets .....	456,265	-	454,933	...	454,933
Total cold rolled and coated ..	2,200,318	51	2,163,478	508,592	1,654,886
Total carbon steel .....	7,372,741	7,886	7,344,027	1,926,020	5,418,007
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	17,392	-	17,392	17,392	-
For forging and piercing .....	37,106	-	37,106	...	37,106
Alloy plates .....	9,550	-	9,550	...	9,550
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	198,003	-	194,951	1,428	193,523
Cold finished bars .....	5,423	-	5,273	...	5,273
Wire rods .....	2,737	-	2,737	...	2,737
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	59,686	22,282	76,027	-	76,027
Total alloy steel .....	329,897	22,282	343,036	18,820	324,216

(1) Includes revisions for September.  
... Figures not appropriate or not applicable.



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		October 1967		Ten months ended October 1967(2)	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	62,437	1,045	606,153	20,977
b	Other warehouses .....	4,252	62	54,252	614
6	Automotive and aircraft industries	52,272	13,802	442,049	107,799
7	Agricultural .....	15,315	631	152,934	3,346
8a	Contractors - Building .....	37,280	2	366,891	148
b	Construction - Public and utility ..	4,692	-	48,978	243
c	Structural steel fabricators .....	56,148	190	601,701	6,070
9	Containers .....	29,421	9	404,970	275
10	Machinery and tools .....	19,091	1,920	197,547	24,561
11	Wire, wire products and fasteners ..	38,664	5,405	417,672	21,309
12	Natural resources and extractive industries .....	12,744	2,141	123,197	23,405
13	Appliances and utensils .....	13,936	185	127,448	1,502
14	Other metal stamping and pressing ..	30,471	452	290,144	10,848
16	Railway operating .....	15,050	-	208,676	8
17	Railroad cars and locomotives .....	8,500	81	74,096	834
18	Shipbuilding .....	3,385	-	50,927	435
19	Pipes and tubes .....	49,533	4,274	635,182	17,807
20	Miscellaneous .....	2,851	67	21,955	1,488
	Total domestic shipments .....	456,042	30,266	4,824,772	241,669
5a	Export - For conversion and return				
i	USA .....	-	2,260	210	25,481
ii	Other countries .....	-	-	19	-
5b	Other export (for final sale)				
i	USA .....	45,862	3,958	319,023	38,961
ii	Other countries .....	52,210	2,075	273,983	18,105
	Total domestic and export shipments .....	554,114	38,559	5,418,007	324,216
	Imports by producers (including conversion) .....	-	2,418	7,886	22,282
	Total net shipments .....	554,114	36,141	5,410,121	301,934

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes revisions for September.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
October 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	-	11	-	4,922	1,937	9,953	5,115
b	Other warehouses .....	-	55	-	907	150	117	112
6	Automotive and aircraft industries .....	4,184	-	8	38	114	-	16,212
7	Agriculture .....	-	-	5	607	1,068	-	5,324
8a	Contractors - Building ...	-	4	-	194	444	9,444	298
b	Construction - Public and utility .....	14	-	-	179	12	3,386	398
c	Structural steel fabri- cators .....	234	55	224	15,918	4,995	15,681	3,090
9	Containers .....	-	-	-	19	-	-	240
10	Machinery and tools .....	-	23	225	542	268	711	2,062
11	Wire, wire products and fasteners .....	309	-	30,733	-	45	8	9,551
12	Natural resources and extractive industries ..	378	2,261	-	139	18	424	7,446
13	Appliances and utensils ..	-	-	-	5	-	74	17
14	Other metal stamping and pressing .....	79	49	212	510	771	8,017	1,982
16	Railway operating .....	10	7,884	-	215	41	-	458
17	Railroad cars and loco- motives .....	1,681	-	-	1,142	56	-	196
18	Shipbuilding .....	-	26	-	569	-	-	109
19	Pipes and tubes .....	17,888	-	99	-	-	-	20
20	Miscellaneous .....	349	-	493	21	13	523	579
Total domestic shipments		25,126	10,368	31,999	25,927	9,932	48,338	53,209
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	19,156	411	649	1,772	2,255	687	6,290
ii	Other countries .....	7,437	17,515	981	-	-	2	515
Total domestic and export shipments ...		51,719	28,294	33,629	27,699	12,187	49,027	60,014
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Total net shipments		51,719	28,294	33,629	27,699	12,187	49,027	60,014

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

October 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
39	7,555	10,685	203	1,622	12,938	8,502	63,482	4a
-	1,092	1,296	139	-	446	-	4,314	b
-	327	25,506	1,875	1,669	13,534	2,607	66,074	6
-	1,437	3,758	175	1,138	1,709	725	15,946	7
-	672	2,838	175	5	3,417	19,791	37,282	8a
-	304	200	-	-	199	-	4,692	b
15	10,244	2,481	681	14	394	2,312	56,338	c
-	-	491	4	-	28,489	187	29,430	9
-	5,073	3,864	813	574	5,959	897	21,011	10
651	204	986	7	201	1,259	115	44,069	11
1,353	1,240	346	-	26	451	803	14,885	12
-	183	2,259	115	144	9,961	1,363	14,121	13
4	2,234	4,670	628	118	10,051	1,598	30,923	14
4,400	1,655	298	-	3	8	78	15,050	16
-	3,958	1,144	-	-	88	316	8,581	17
-	2,471	143	-	-	24	43	3,385	18
-	10,476	12,303	6,919	49	5,657	396	53,807	19
2	-	-	-	3	643	292	2,918	20
6,464	49,125	73,268	11,734	5,566	95,227	40,025	486,308	
-	-	-	-	-	2,260	-	2,260	5a
-	-	-	-	-	-	-	-	i
								ii
								5b
2	4,418	7,154	-	5	5,454	1,567	49,820	i
708	-	6,109	-	15	17,162	3,841	54,285	ii
7,174	53,543	86,531	11,734	5,586	120,103	45,433	592,673	
-	-	-	-	-	2,418	-	2,418	
7,174	53,543	86,531	11,734	5,586	117,685	45,433	590,255	

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Ten Months Ended October 1967(3)

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	184	265	236	50,963	18,622	93,373	60,360
b	Other warehouses .....	-	774	1,447	12,114	1,892	1,081	2,632
6	Automotive and aircraft industries .....	29,793	7	31	2,102	803	121	142,605
7	Agriculture .....	-	-	108	7,451	8,713	-	48,035
8a	Contractors - Building ...	9	34	273	4,380	1,754	68,195	4,388
b	Construction - Public and utility .....	14	617	-	1,249	174	32,843	4,183
c	Structural steel fabri- cators .....	1,296	579	1,376	183,315	50,103	128,549	33,999
9	Containers .....	-	-	33	87	-	-	868
10	Machinery and tools .....	2,879	332	5,383	6,725	2,483	2,619	28,120
11	Wire, wire products and fasteners .....	6,336	-	331,819	74	1,157	1,131	66,683
12	Natural resources and extractive industries ..	3,764	15,314	288	6,607	809	9,826	79,514
13	Appliances and utensils ..	-	4	19	556	93	400	589
14	Other metal stamping and pressing .....	2,227	569	2,206	2,748	5,430	63,132	31,802
16	Railway operating .....	178	146,522	26	2,764	705	13	5,642
17	Railroad cars and loco- motives .....	19,421	39	-	11,496	377	-	3,297
18	Shipbuilding .....	-	76	-	7,147	163	-	1,531
19	Pipes and tubes .....	100,785	-	790	-	-	-	410
20	Miscellaneous .....	943	198	5,162	345	140	3,369	3,502
Total domestic shipments		167,829	165,330	349,197	300,123	93,418	404,652	518,160
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	189	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	82,202	5,199	3,237	13,665	12,745	10,457	47,165
ii	Other countries .....	7,437	45,203	9,667	148	136	434	6,074
Total domestic and export shipments ...		257,468	215,732	362,290	313,936	106,299	415,543	571,399
Imports by producers (in- cluding conversion) ....		7,835	-	-	-	-	-	-
Total net shipments		249,633	215,732	362,290	313,936	106,299	415,543	571,399

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions for September.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Ten Months Ended October 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
544	87,990	97,902	2,245	21,284	112,346	80,816	627,130	4a
97	14,045	16,324	797	-	3,663	-	54,866	b
-	3,698	205,299	14,986	16,515	118,880	15,008	549,848	6
-	12,326	45,625	2,357	10,230	16,706	4,729	156,280	7
38	8,317	34,236	1,911	175	32,769	210,560	367,039	8a
16	2,392	5,174	6	-	2,553	-	49,221	b
24	142,000	31,250	5,548	529	5,416	23,787	607,771	c
-	700	4,641	973	17	396,635	1,291	405,245	9
81	53,914	39,019	5,692	7,265	61,320	6,276	222,108	10
2,788	2,333	11,970	446	2,261	10,408	1,575	438,981	11
3,371	14,684	3,695	34	236	2,802	5,658	146,602	12
-	4,598	20,488	476	1,325	86,638	13,764	128,950	13
14	22,492	45,654	5,408	2,399	99,289	17,622	300,992	14
41,937	8,599	1,917	-	3	40	338	208,684	16
3	31,518	6,683	-	39	1,355	702	74,930	17
-	39,692	2,031	27	62	202	431	51,362	18
33	249,107	95,826	151,373	78	49,579	5,008	652,989	19
24	573	142	84	193	7,192	1,576	23,443	20
48,970	698,978	667,876	192,363	62,611	1,007,793	389,141	5,066,441	
-	-	-	21	-	25,481	-	25,691	5a
-	-	-	19	-	-	-	19	i
								ii
								5b
169	41,313	57,540	253	60	66,010	17,969	357,984	i
2,130	-	53,738	-	160	119,138	47,823	292,088	ii
51,269	740,291	779,154	192,656	62,831	1,218,422	454,933	5,742,223	
-	-	-	-	51	22,282	-	30,168	
51,269	740,291	779,154	192,656	62,780	1,196,140	454,933	5,712,055	





CATALOGUE No.

41-001

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**PRIMARY IRON AND STEEL**  
**NOVEMBER 1967**

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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	November 1967	Eleven months ended November 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	24,592	393,926
From foreign mines .....	63,276	684,893
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	481,818	4,687,031
From foreign mines .....	147,551	2,158,934
From own processing .....	126,014	1,364,720
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	22,839	258,550
Scrap iron and steel .....	6,745	67,788
Limestone .....	53,046	637,354
Dolomite .....	25,205	248,805
Coke .....	318,324	3,480,542

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

November

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	510,703	1,768	511,877	3,159
Foundry (including silvery pig)(2) .....	36,749	44,839	39,875	71,661
Malleable .....	50,082	41,186	22,449	17,057
Total pig iron .....	597,534	87,793	574,201	91,877
Ferro-alloys .....	17,560	15,333	15,325	10,903
Stocks of pig iron on hand at end of month ....	211,071		260,157	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Eleven Months Ended November

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	5,948,194	58,580	5,670,347	40,073
Foundry (including silvery pig)(2) .....	425,123	379,416	483,285	418,191
Malleable .....	335,777	250,807	231,674	217,048
Total pig iron .....	6,709,094	688,803	6,385,306	675,312
Ferro-alloys .....	173,771	150,370	154,221	151,375

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	November		Eleven months ended November	
	1966	1967	1966	1967
	net tons of 2,000 pounds			
Pig iron .....	511,631	502,409	5,900,848	5,599,182
Scrap - Own make .....	246,116	234,489	2,777,032	2,712,146
Purchased .....	157,271	160,008	1,904,584	1,865,966
Total pig iron and scrap .....	915,018	896,906	10,582,464	10,177,294

TABLE 7. Production and Shipments of Steel Ingots and Castings

	November			
	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	688,759	20,260	685,141	25,963
Electric .....	95,726	9,436	92,839	8,120
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	784,485	29,696	777,980	34,083
Continuous cast steel included in above .....	33,822	x	67,346	x
Alloy steel ingots included in above .....	55,649	1,569	69,379	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	-	-
Electric .....	17,275	15,945	11,600	10,285
Other .....	-	-	-	-
Total steel castings .....	17,275	15,945	11,600	10,285
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	478	457	379	259
Manganese and abrasion resistant .....	2,897	3,096	2,287	2,159
All other alloys .....	959	921	377	345
Total alloy castings .....	4,334	4,474	3,043	2,763

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Eleven Months Ended November

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	8,090,405	129,162	7,750,059	151,184
Electric .....	1,075,614	121,977	1,036,174	111,995
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	9,166,019	251,139	8,786,233	263,179
Continuous cast steel included in above .....	410,365	x	593,999	x
Alloy steel ingots included in above .....	715,229	15,869	654,365 (4)	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	172,765	159,225	132,072	132,251
Other .....	-	-	(3)	(3)
Total steel castings .....	172,765	159,225	132,072	132,251
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	4,531	4,337	4,385	4,074
Manganese and abrasion resistant .....	30,833	30,236	27,840	27,169
All other alloys .....	10,332	10,509	6,386	5,940
Total alloy castings .....	45,696	45,082	38,611	37,183

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". (4) Includes Revision for October.

x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	November 1967		Eleven months ended November 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	5	-	70
Export .....	577	271	8,455	3,625
Automotive and aircraft industries .....	375	-	4,567	11
Agricultural (including implement and equipment manufacturers) .....	81	23	1,185	372
Construction (including public works, public utilities and structural steel fabricators) ...	123	251	1,416	2,389
Machinery and tools .....	1,436	287	18,277	4,803
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	874	1,281	10,550	16,142
Railway operating .....	3,507	312	30,691	4,041
Railroad cars and locomotives .....	330	30	17,631	1,228
Shipbuilding .....	35	21	424	185
Miscellaneous (including grinding balls and railway car wheels) .....	184	282	1,872	4,317
Totals .....	7,522	2,763	95,068	37,183

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
November

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	16,161	20,994	19,905	21,342
Over 4 1/2" outside diameter (excluding tubing and casing) .....	22,926	24,637	40,030	21,736
Mechanical and pressure tubing, casing and oil well tubing .....	18,712	17,747	20,452	18,370
Totals .....	57,799	63,378	80,387	61,448
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	189	192	124	105
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	602	587	462	460
Totals .....	791	779	586	565

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Eleven Months Ended November

	1966		1967 (2)	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	224,190	229,200	245,931	238,202
Over 4 1/2" outside diameter (excluding tubing and casing) .....	277,084	262,636	320,623	294,103
Mechanical and pressure tubing, casing and oil well tubing .....	189,299	179,612	159,782	161,819
Totals .....	690,573	671,448	726,336	694,124
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	1,698	1,646	x	1,318
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	6,196	6,055	5,623	5,858
Totals .....	7,894	7,701	x	7,176

(1) Included with "Other".

(2) Includes revisions to date.

x Confidential to meet secrecy requirements of the Statistics Act.



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
November 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	39,394	-	43,914	19,464	24,450
For forging and piercing .....	15,471	-	15,401	...	15,401
Rails .....	28,384	-	28,368	...	28,368
Wire rods .....	31,469	-	32,104	...	32,104
Structural shapes:					
Heavy, including piling .....	33,315	-	32,728	...	32,728
Bar-sized shapes .....	12,087	-	9,119	...	9,119
Concrete reinforcing bars .....	35,427	-	45,927	...	45,927
Other hot rolled bars:					
Flats .....	11,306	-	10,613	) 5,676	43,282
Other .....	36,775	-	38,345		
Tie plates and track material:					
Angle bars .....	82	-	613	...	613
Tie plates .....	1,104	-	1,707	...	1,707
Track spikes .....	492	-	283	...	283
Plates (including plates for pipes and tubes) .....	89,417	-	88,983	...	88,983
Hot rolled sheets .....	186,293	-	186,762	101,684	85,078
Hot rolled strip .....	15,297	-	14,841	406	14,435
Total hot rolled products ...	536,313	-	549,708	127,230	422,478
<u>Cold rolled and coated</u>					
Cold finished bars .....	6,246	-	6,323	...	6,323
Cold reduced sheets and strip, tin mill black plate and tin plate .....	162,563	-	173,756	50,282	123,474
Galvanized sheets .....	41,903	-	44,604	...	44,604
Total cold rolled and coated ..	210,712	-	224,683	50,282	174,401
Total carbon steel .....	747,025	-	774,391	177,512	596,879
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	1,696	-	1,696	1,696	-
For forging and piercing .....	6,338	-	6,338	...	6,338
Alloy plates .....	552	-	552	...	552
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	22,610	-	22,405	258	22,147
Cold finished bars .....	290	-	255	...	255
Wire rods .....	97	-	97	...	97
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	6,924	3,248	10,655	-	10,655
Total alloy steel .....	38,507	3,248	41,998	1,954	40,044

... Figures not appropriate or not applicable.



TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Eleven Months Ended November 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	453,277	7,835	487,442	384,126	103,316
For forging and piercing .....	156,927	-	156,897	...	156,897
Rails .....	247,858	-	244,100	...	244,100
Wire rods .....	396,026	-	391,657	...	391,657
Structural shapes:					
Heavy, including piling .....	354,811	-	346,664	...	346,664
Bar-sized shapes .....	122,831	-	115,418	...	115,418
Concrete reinforcing bars .....	447,764	-	461,470	...	461,470
Other hot rolled bars:					
Flats .....	101,596	-	99,393	) 57,698	421,158
Other .....	387,745	-	379,463		
Tie plates and track material:					
Angle bars .....	11,540	-	10,644	...	10,644
Tie plates .....	35,616	-	33,198	...	33,198
Track spikes .....	9,265	-	10,030	...	10,030
Plates (including plates for pipes and tubes) .....	815,822	-	819,724	...	819,724
Hot rolled sheets .....	1,966,506	-	1,959,726	1,095,494	864,232
Hot rolled strip .....	201,152	-	214,431	7,340	207,091
Total hot rolled products ...	5,708,736	7,835	5,730,257	1,544,658	4,185,599
<u>Cold rolled and coated</u>					
Cold finished bars .....	64,242	51	63,881	...	63,881
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,848,620	-	1,824,743	558,874	1,265,869
Galvanized sheets .....	498,168	-	499,537	...	499,537
Total cold rolled and coated ..	2,411,030	51	2,388,161	558,874	1,829,287
Total carbon steel .....	8,119,766	7,886	8,118,418	2,103,532	6,014,886
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	19,088	-	19,088	19,088	-
For forging and piercing .....	43,444	-	43,444	...	43,444
Alloy plates .....	10,102	-	10,102	...	10,102
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	220,613	-	217,356	1,686	215,670
Cold finished bars .....	5,713	-	5,528	...	5,528
Wire rods .....	2,834	-	2,834	...	2,834
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	66,610	25,530	86,682	-	86,682
Total alloy steel .....	368,404	25,530	385,034	20,774	364,260

... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		November 1967		Eleven months ended November 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	62,757	1,307	668,910	22,284
b	Other warehouses .....	6,199	4	60,451	618
6	Automotive and aircraft industries	60,751	12,021	502,800	119,820
7	Agricultural .....	20,762	622	173,696	3,968
8a	Contractors - Building .....	34,433	-	401,324	148
b	Construction - Public and utility ..	4,264	-	53,242	243
c	Structural steel fabricators .....	57,026	196	658,727	6,266
9	Containers .....	30,437	22	435,407	297
10	Machinery and tools .....	17,900	3,293	215,447	27,854
11	Wire, wire products and fasteners ..	39,639	2,614	457,311	23,923
12	Natural resources and extractive industries .....	13,203	4,433	136,400	27,838
13	Appliances and utensils .....	14,293	221	141,741	1,723
14	Other metal stamping and pressing ..	33,094	442	323,238	11,290
16	Railway operating .....	9,738	5	218,414	13
17	Railroad cars and locomotives .....	4,360	15	78,456	849
18	Shipbuilding .....	4,473	11	55,400	446
19	Pipes and tubes .....	85,261	4,594	720,443	22,401
20	Miscellaneous .....	2,393	390	24,348	1,878
	Total domestic shipments .....	500,983	30,190	5,325,755	271,859
5a	Export - For conversion and return				
i	USA .....	-	3,648	210	29,129
ii	Other countries .....	-	-	19	-
5b	Other export (for final sale)				
i	USA .....	49,231	4,028	368,254	42,989
ii	Other countries .....	46,665	2,178	320,648	20,283
	Total domestic and export shipments .....	596,879	40,044	6,014,886	364,260
	Imports by producers (including conversion) .....	-	3,248	7,886	25,530
	Total net shipments .....	596,879	36,796	6,007,000	338,730

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
November 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	2	47	23	5,135	1,514	10,629	4,672
b	Other warehouses .....	-	85	-	1,475	84	157	108
6	Automotive and aircraft industries .....	1,928	-	24	93	172	17	19,672
7	Agriculture .....	10	-	5	881	524	-	7,344
8a	Contractors - Building ...	-	20	16	1,016	32	8,358	668
b	Construction - Public and utility .....	-	-	-	249	1	3,101	327
c	Structural steel fabri- cators .....	40	76	66	18,424	3,446	14,896	3,486
9	Containers .....	-	-	-	-	-	-	136
10	Machinery and tools .....	20	14	71	978	667	48	1,711
11	Wire, wire products and fasteners .....	631	-	30,715	-	131	22	7,224
12	Natural resources and extractive industries ..	295	2,180	46	1,013	21	485	11,103
13	Appliances and utensils ..	-	-	-	50	5	308	123
14	Other metal stamping and pressing .....	300	85	51	153	406	7,171	2,430
16	Railway operating .....	-	7,563	-	463	40	-	675
17	Railroad cars and loco- motives .....	1,725	10	-	416	26	-	319
18	Shipbuilding .....	-	13	-	408	1	4	73
19	Pipes and tubes .....	15,047	-	154	-	-	-	-
20	Miscellaneous .....	534	-	-	48	3	159	743
Total domestic shipments		20,532	10,093	31,171	30,802	7,073	45,355	60,814
5a	Export - For conversion and return							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	19,265	308	280	1,910	1,918	433	4,184
ii	Other countries .....	6,392	17,967	750	16	128	139	431
Total domestic and export shipments ...		46,189	28,368	32,201	32,728	9,119	45,927	65,429
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Total net shipments		46,189	28,368	32,201	32,728	9,119	45,927	65,429

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
November 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
73	7,675	8,667	226	1,977	13,235	10,189	64,064	4a
-	1,126	2,461	163	-	544	-	6,203	b
-	469	30,891	2,203	2,032	13,611	1,660	72,772	6
-	2,048	6,709	303	1,105	2,005	450	21,384	7
-	356	3,143	254	13	3,339	17,218	34,433	8a
-	165	99	5	-	317	-	4,264	b
- 3	9,402	2,330	677	22	752	3,608	57,222	c
-	-	451	87	8	29,546	231	30,459	9
2	3,803	4,100	707	634	7,592	846	21,193	10
-	515	1,328	28	176	1,311	172	42,253	11
305	729	388	-	3	499	569	17,636	12
-	228	1,470	59	357	10,189	1,725	14,514	13
1	3,327	4,751	265	205	12,723	1,668	33,536	14
578	321	73	-	7	8	15	9,743	16
1	1,327	396	-	2	160	- 7	4,375	17
-	3,826	101	-	-	- 10	68	4,484	18
-	49,564	8,818	9,458	30	6,299	485	89,855	19
7	12	31	-	1	1,106	139	2,783	20
964	84,893	76,207	14,435	6,572	103,226	39,036	531,173	
-	-	-	-	-	3,648	-	3,648	5a
-	-	-	-	-	-	-	-	i
								ii
-	4,642	6,626	-	-	10,060	3,633	53,259	5b
1,639	-	2,245	-	6	17,195	1,935	48,843	i
								ii
2,603	89,535	85,078	14,435	6,578	134,129	44,604	636,923	
-	-	-	-	-	3,248	-	3,248	
2,603	89,535	85,078	14,435	6,578	130,881	44,604	633,675	



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Eleven Months Ended November 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	186	312	259	56,098	20,136	104,002	65,032
b	Other warehouses .....	-	859	1,447	13,589	1,976	1,238	2,740
6	Automotive and aircraft industries .....	31,721	7	55	2,195	975	138	162,277
7	Agriculture .....	10	-	113	8,332	9,237	-	55,379
8a	Contractors - Building ...	9	54	289	5,396	1,786	76,553	5,056
b	Construction - Public and utility .....	14	617	-	1,498	175	35,944	4,510
c	Structural steel fabri- cators .....	1,336	655	1,442	201,739	53,549	143,445	37,485
9	Containers .....	-	-	33	87	-	-	1,004
10	Machinery and tools .....	2,899	346	5,454	7,703	3,150	2,667	29,831
11	Wire, wire products and fasteners .....	6,967	-	362,534	74	1,288	1,153	73,907
12	Natural resources and extractive industries ..	4,059	17,494	334	7,620	830	10,311	90,617
13	Appliances and utensils ..	-	4	19	606	98	708	712
14	Other metal stamping and pressing .....	2,527	654	2,257	2,901	5,836	70,303	34,232
16	Railway operating .....	178	154,085	26	3,227	745	13	6,317
17	Railroad cars and loco- motives .....	21,146	49	-	11,912	403	-	3,616
18	Shipbuilding .....	-	89	-	7,555	164	4	1,604
19	Pipes and tubes .....	115,832	-	944	-	-	-	410
20	Miscellaneous .....	1,477	198	5,162	393	143	3,528	4,245
Total domestic shipments		188,361	175,423	380,368	330,925	100,491	450,007	578,974
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	189	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	101,467	5,507	3,517	15,575	14,663	10,890	51,349
ii	Other countries .....	13,829	63,170	10,417	164	264	573	6,505
Total domestic and export shipments ...		303,657	244,100	394,491	346,664	115,418	461,470	636,828
Imports by producers (in- cluding conversion) ....		7,835	-	-	-	-	-	-
Total net shipments		295,822	244,100	394,491	346,664	115,418	461,470	636,828

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Eleven Months Ended November 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
617	95,665	106,569	2,471	23,261	125,581	91,005	691,194	4a
97	15,171	18,785	960	-	4,207	-	61,069	b
-	4,167	236,190	17,189	18,547	132,491	16,668	622,620	6
-	14,374	52,334	2,660	11,335	18,711	5,179	177,664	7
38	8,673	37,379	2,165	188	36,108	227,778	401,472	8a
16	2,557	5,273	11	-	2,870	-	53,485	b
21	151,402	33,580	6,225	551	6,168	27,395	664,993	c
-	700	5,092	1,060	25	426,181	1,522	435,704	9
83	57,717	43,119	6,399	7,899	68,912	7,122	243,301	10
2,788	2,848	13,298	474	2,437	11,719	1,747	481,234	11
3,676	15,413	4,083	34	239	3,301	6,227	164,238	12
-	4,826	21,958	535	1,682	96,827	15,489	143,464	13
15	25,819	50,405	5,673	2,604	112,012	19,290	334,528	14
42,515	8,920	1,990	-	10	48	353	218,427	16
4	32,845	7,079	-	41	1,515	695	79,305	17
-	43,518	2,132	27	62	192	499	55,846	18
33	298,671	104,644	160,831	108	55,878	5,493	742,844	19
31	585	173	84	194	8,298	1,715	26,226	20
49,934	783,871	744,083	206,798	69,183	1,111,019	428,177	5,597,614	
-	-	-	21	-	29,129	-	29,339	5a
-	-	-	19	-	-	-	19	i
								ii
								5b
169	45,955	64,166	253	60	76,070	21,602	411,243	i
3,769	-	55,983	-	166	136,333	49,758	340,931	ii
53,872	829,826	864,232	207,091	69,409	1,352,551	499,537	6,379,146	
-	-	-	-	51	25,530	-	33,416	
53,872	829,826	864,232	207,091	69,358	1,327,021	499,537	6,345,730	



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TABLE 1. Pig Iron Capacity, January 1, 1967

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	7,241,000	-	-
Electric furnaces .....	10	523,000	-	-
Totals .....	25	7,764,000	-	-

TABLE 2. Iron Blast Furnaces Charges(1)

	December 1967	Twelve months ended December 1967
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	45,573	439,499
From foreign mines .....	56,159	741,052
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	512,910	5,199,941
From foreign mines .....	152,330	2,311,264
From own processing .....	116,597	1,481,317
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	21,882	280,432
Scrap iron and steel .....	8,628	76,416
Limestone .....	57,292	694,646
Dolomite .....	29,757	278,562
Coke .....	302,038	3,782,580

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).



TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

December

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	417,064	580	499,829	3,676
Foundry (including silvery pig)(2) .....	42,510	33,286	48,874	54,150
Malleable .....	43,875	16,932	6,365	17,895
Total pig iron .....	503,449	50,798	555,068	75,721
Ferro-alloys .....	14,103	12,665	13,771	16,002
Stocks of pig iron on hand at end of month ....	237,358		233,239	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Twelve Months Ended December

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	6,365,258	59,160	6,170,176	43,749
Foundry (including silvery pig)(2) .....	467,633	412,702	532,159	472,341
Malleable .....	379,652	267,739	238,039	234,943
Total pig iron .....	7,212,543	739,601	6,940,374	751,033
Ferro-alloys .....	187,874	163,035	167,992	167,377

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1967

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,470,000
Electric .....	1,616,826
Oxygen .....	3,630,000
Total ingots .....	11,716,826
Steel castings .....	464,400
Total ingots and castings .....	12,181,226

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	December		Twelve months ended December	
	1966	1967	1966	1967
	net tons of 2,000 pounds			
Pig iron .....	420,121	495,323	6,320,969	6,094,505
Scrap - Own make .....	187,676	244,705	2,964,708	2,956,851
Purchased .....	144,064	145,605	2,048,648	2,011,571
Total pig iron and scrap .....	751,861	885,633	11,334,325	11,062,927

TABLE 7. Production and Shipments of Steel Ingots and Castings

	December			
	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	565,432	12,809	684,563	24,281
Electric .....	82,614	8,633	80,378	8,676
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	648,046	21,442	764,941	32,957
Continuous cast steel included in above .....	32,315	x	53,253	x
Alloy steel ingots included in above .....	47,380	1,474	50,301	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	-	-	-
Electric .....	16,038	15,179	11,125	9,310
Other .....	-	-	-	-
Total steel castings .....	16,038	15,179	11,125	9,310
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	309	354	410	335
Manganese and abrasion resistant .....	3,116	3,053	2,030	2,023
All other alloys .....	876	744	471	486
Total alloy castings .....	4,301	4,151	2,911	2,844

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

x Confidential to meet secrecy requirements of the Statistics Act.

Note: High Alloy castings included all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Twelve Months Ended December

	1966		1967	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	8,655,837	141,971	8,434,622	175,465
Electric .....	1,158,228	130,610	1,116,552	120,671
Oxygen .....	(2)	(2)	(2)	(2)
Total steel ingots .....	9,814,065	272,581	9,551,174	296,136
Continuous cast steel included in above .....	442,680	x	647,252	x
Alloy steel ingots included in above .....	762,609	17,343	704,666	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	188,803	174,404	143,197	141,561
Other .....	-	-	(3)	(3)
Total steel castings .....	188,803	174,404	143,197	141,561
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	4,840	4,691	4,795	4,409
Manganese and abrasion resistant .....	33,949	33,289	29,870	29,192
All other alloys .....	11,208	11,253	6,857	6,426
Total alloy castings .....	49,997	49,233	41,522	40,027

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High Alloy castings included all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	December 1967		Twelve months ended December 1967	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	5	-	75
Export .....	671	214	9,126	3,839
Automotive and aircraft industries .....	397	-	4,964	11
Agricultural (including implement and equipment manufacturers) .....	94	14	1,279	386
Construction (including public works, public utilities and structural steel fabricators) ...	35	245	1,451	2,634
Machinery and tools .....	1,322	370	19,599	5,173
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	845	1,406	11,395	17,548
Railway operating .....	1,874	202	32,565	4,243
Railroad cars and locomotives .....	1,006	63	18,637	1,291
Shipbuilding .....	40	12	464	197
Miscellaneous (including grinding balls and railway car wheels) .....	182	313	2,054	4,630
Totals .....	6,466	2,844	101,534	40,027

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.  
b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
net tons of 2,000 pounds					
<u>1966</u>					
January .....	653,950	14,224	857,030	15,755	872,785
February .....	589,235	15,015	795,641	14,709	810,350
March .....	646,497	16,148	879,236	16,760	895,996
April .....	599,803	14,928	845,195	15,723	860,918
May .....	623,676	16,202	895,658	16,820	912,478
June .....	596,093	17,540	852,267	16,358	868,625
July .....	607,346	14,926	836,492	10,608	847,100
August .....	548,269	15,125	756,999	14,815	771,814
September .....	606,329	14,578	821,332	17,055	838,387
October .....	640,362	17,525	841,684	16,887	858,571
November .....	597,534	17,560	784,485	17,275	801,760
December .....	503,449	14,103	648,046	16,038	664,084
Totals .....	7,212,543	187,874	9,814,065	188,803	10,002,868
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371



TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
December

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	17,882	17,497	18,057	15,907
Over 4 1/2" outside diameter (excluding tubing and casing) .....	16,595	26,625	47,396	54,488
Mechanical and pressure tubing, casing and oil well tubing .....	15,529	16,523	16,965	16,181
Totals .....	50,006	60,645	82,418	86,576
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	101	115	114	97
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	422	444	454	404
Totals .....	523	559	568	501

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Twelve Months Ended December

	1966		1967	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	242,072	246,697	263,988	254,109
Over 4 1/2" outside diameter (excluding tubing and casing) .....	293,679	289,261	368,019	348,591
Mechanical and pressure tubing, casing and oil well tubing .....	204,828	196,135	176,747	178,000
Totals .....	740,579	732,093	808,754	780,700
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	1,799	1,761	x	1,415
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	6,618	6,499	6,077	6,262
Totals .....	8,417	8,260	x	7,677

(1) Included with "Other".

x Confidential to meet secrecy requirements of the Statistics Act.



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
December 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	45,045	-	42,537	21,247	21,290
For forging and piercing .....	14,308	-	15,904	...	15,904
Rails .....	30,369	-	34,976	...	34,976
Wire rods .....	29,333	-	30,114	...	30,114
Structural shapes:					
Heavy, including piling .....	25,367	-	27,244	...	27,244
Bar-sized shapes .....	9,569	-	8,438	...	8,438
Concrete reinforcing bars .....	35,444	-	33,732	...	33,732
Other hot rolled bars:					
Flats .....	6,139	-	6,323	) 3,781	37,904
Other .....	38,766	-	35,362		
Tie plates and track material:					
Angle bars .....	955	-	738	...	738
Tie plates .....	4,917	-	1,752	...	1,752
Track spikes .....	353	-	164	...	164
Plates (including plates for pipes and tubes) .....	87,522	-	85,901	...	85,901
Hot rolled sheets .....	218,599	-	191,809	84,317	107,492
Hot rolled strip .....	16,903	-	17,273	456	16,817
Total hot rolled products ...	563,589	-	532,267	109,801	422,466
<u>Cold rolled and coated</u>					
Cold finished bars .....	4,864	-	5,055	...	5,055
Cold reduced sheets and strip, tin mill black plate and tin plate .....	146,343	-	140,112	33,930	106,182
Galvanized sheets .....	34,161	-	36,627	...	36,627
Total cold rolled and coated ..	185,368	-	181,794	33,930	147,864
Total carbon steel .....	748,957	-	714,061	143,731	570,330
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	1,245	-	1,245	1,245	-
For forging and piercing .....	3,057	-	3,057	...	3,057
Alloy plates .....	115	-	115	...	115
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	21,333	-	20,578	305	20,273
Cold finished bars .....	279	-	337	...	337
Wire rods .....	188	-	188	...	188
Hot and cold rolled sheets and strip; silicon sheets and strip and stainless steel .....	4,937	2,410	7,130	-	7,130
Total alloy steel .....	31,154	2,410	32,650	1,550	31,100

... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Twelve Months Ended December 1967

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	498,322	7,835	529,979	405,373	124,606
For forging and piercing .....	171,235	-	172,801	...	172,801
Rails .....	278,227	-	279,076	...	279,076
Wire rods .....	425,359	-	421,771	...	421,771
Structural shapes:					
Heavy, including piling .....	380,178	-	373,908	...	373,908
Bar-sized shapes .....	132,400	-	123,856	...	123,856
Concrete reinforcing bars .....	483,208	-	495,202	...	495,202
Other hot rolled bars:					
Flats .....	107,735	-	105,716	) 61,479	459,062
Other .....	426,511	-	414,825		
Tie plates and track material:					
Angle bars .....	12,495	-	11,382	...	11,382
Tie plates .....	40,533	-	34,950	...	34,950
Track spikes .....	9,618	-	10,194	...	10,194
Plates (including plates for pipes and tubes) .....	903,344	-	905,625	...	905,625
Hot rolled sheets .....	2,185,105	-	2,151,535	1,179,811	971,724
Hot rolled strip .....	218,055	-	231,704	7,796	223,908
Total hot rolled products ...	6,272,325	7,835	6,262,524	1,654,459	4,608,065
<u>Cold rolled and coated</u>					
Cold finished bars .....	69,106	51	68,936	...	68,936
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,994,963	-	1,964,855	592,804	1,372,051
Galvanized sheets .....	532,329	-	536,164	...	536,164
Total cold rolled and coated ..	2,596,398	51	2,569,955	592,804	1,977,151
Total carbon steel .....	8,868,723	7,886	8,832,479	2,247,263	6,585,216
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	20,333	-	20,333	20,333	-
For forging and piercing .....	46,501	-	46,501	...	46,501
Alloy plates .....	10,217	-	10,217	...	10,217
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	241,946	-	237,779(1)	1,991	235,788(1)
Cold finished bars .....	5,992	-	5,865	...	5,865
Wire rods .....	3,022	-	3,022	...	3,022
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	71,547	27,940	93,812	-	93,812
Total alloy steel .....	399,558	27,940	417,529(1)	22,324	395,205(1)

(1) Includes revisions to date.

... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		December 1967		Twelve months ended December 1967	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	51,291	1,215	720,201	23,499
b	Other warehouses .....	6,406	-	66,857	618
6	Automotive and aircraft industries	63,245	11,726	566,045	131,546
7	Agricultural .....	13,533	115	187,229	4,083
8a	Contractors - Building .....	24,077	-	425,401	148
b	Construction - Public and utility ..	2,282	-	55,524	243
c	Structural steel fabricators .....	48,607	30	707,334	6,296
9	Containers .....	26,219	19	461,626	316
10	Machinery and tools .....	16,321	1,984	231,768	29,838
11	Wire, wire products and fasteners ..	36,057	2,728	493,368	26,651
12	Natural resources and extractive industries .....	13,989	2,605	150,389	30,443
13	Appliances and utensils .....	11,425	217	153,166	1,940
14	Other metal stamping and pressing ..	28,491	534	351,729	11,824
16	Railway operating .....	21,869	4	240,283	17
17	Railroad cars and locomotives .....	6,450	32	84,906	881
18	Shipbuilding .....	3,746	63	59,146	509
19	Pipes and tubes .....	78,106	2,129	798,549	24,530
20	Miscellaneous .....	1,743	180	26,091	2,058
	Total domestic shipments .....	453,857	23,581	5,779,612	295,440
5a	Export - For conversion and return				
i	USA .....	1,805	2,179	2,015	31,308
ii	Other countries .....	-	-	19	-
5b	Other export (for final sale)				
i	USA .....	73,936	3,478	442,190	46,467
ii	Other countries .....	40,732	1,862	361,380	21,990(2)
	Total domestic and export shipments .....	570,330	31,100	6,585,216	395,205(2)
	Imports by producers (including conversion) .....	-	2,410	7,886	27,940
	Total net shipments .....	570,330	28,690	6,577,330	367,265(2)

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes revisions for November.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
December 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	-	16	-	4,474	1,374	7,433	4,832
b	Other warehouses .....	-	26	-	832	199	423	77
6	Automotive and aircraft industries .....	1,016	-	32	69	33	-	18,695
7	Agriculture .....	-	-	40	875	834	-	5,223
8a	Contractors - Building ...	-	-	-	603	66	4,799	240
b	Construction - Public and utility .....	-	-	-	33	6	1,706	223
c	Structural steel fabri- cators .....	73	45	20	15,426	3,256	10,068	2,441
9	Containers .....	-	-	-	-	-	-	22
10	Machinery and tools .....	27	-	464	789	305	63	1,810
11	Wire, wire products and fasteners .....	92	-	28,866	184	93	11	5,945
12	Natural resources and extractive industries ..	293	2,364	53	897	40	505	9,349
13	Appliances and utensils ..	-	-	-	119	-	147	85
14	Other metal stamping and pressing .....	359	65	19	215	365	7,922	2,289
16	Railway operating .....	54	18,384	-	274	31	-	369
17	Railroad cars and loco- motives .....	1,815	-	-	613	15	-	505
18	Shipbuilding .....	-	11	-	511	2	-	103
19	Pipes and tubes .....	13,962	-	229	27	-	-	18
20	Miscellaneous .....	27	2	162	13	11	158	597
Total domestic shipments		17,718	20,913	29,885	25,954	6,630	33,235	52,823
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	-	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	22,533	2,691	307	1,277	1,808	442	5,046
ii	Other countries .....	-	11,372	110	13	-	55	308
Total domestic and export shipments ...		40,251	34,976	30,302	27,244	8,438	33,732	58,177
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Total net shipments		40,251	34,976	30,302	27,244	8,438	33,732	58,177

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
December 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
37	7,722	8,404	110	1,348	10,446	6,310	52,506	4a
5	2,728	1,480	143	-	493	-	6,406	b
-	430	36,281	1,494	1,901	12,830	2,190	74,971	6
-	1,100	3,442	332	853	780	169	13,648	7
3	422	2,494	97	6	3,004	12,343	24,077	8a
4	5	107	-	-	198	-	2,282	b
1	13,109	2,147	579	66	175	1,231	48,637	c
-	-	623	8	-	25,486	99	26,238	9
1	4,838	3,069	606	640	5,282	411	18,305	10
7	657	1,383	19	193	1,196	139	38,785	11
44	1,001	607	-	62	558	821	16,594	12
-	431	1,441	41	101	8,131	1,146	11,642	13
1	1,563	3,518	439	171	10,673	1,426	29,025	14
2,545	141	65	-	-	4	6	21,873	16
-	3,050	316	-	1	167	-	6,482	17
-	2,927	113	-	-	10	132	3,809	18
-	40,682	9,273	11,141	10	4,328	565	80,235	19
1	26	-	-	14	912	-	1,923	20
2,649	80,832	74,763	15,009	5,366	84,673	26,988	477,438	
-	-	-	1,805	-	2,179	-	3,984	5a
-	-	-	-	-	-	-	-	i
								ii
6	5,184	28,285	3	14	7,072	2,746	77,414	i
- 1	-	4,444	-	12	19,388	6,893	42,594	ii
2,654	86,016	107,492	16,817	5,392	113,312	36,627	601,430	
-	-	-	-	-	2,410	-	2,410	
2,654	86,016	107,492	16,817	5,392	110,902	36,627	599,020	



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Twelve Months Ended December 1967

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	186	328	259	60,572	21,510	111,435	69,864
b	Other warehouses .....	-	885	1,447	14,421	2,175	1,661	2,817
6	Automotive and aircraft industries .....	32,737	7	87	2,264	1,008	138	180,972
7	Agriculture .....	10	-	153	9,207	10,071	-	60,602
8a	Contractors - Building ...	9	54	289	5,999	1,852	81,352	5,296
b	Construction - Public and utility .....	14	617	-	1,531	181	37,650	4,733
c	Structural steel fabri- cators .....	1,409	700	1,462	217,165	56,805	153,513	39,926
9	Containers .....	-	-	33	87	-	-	1,026
10	Machinery and tools .....	2,926	346	5,918	8,492	3,455	2,730	31,641
11	Wire, wire products and fasteners .....	7,059	-	391,400	258	1,381	1,164	79,852
12	Natural resources and extractive industries ..	4,352	19,858	387	8,517	870	10,816	99,966
13	Appliances and utensils ..	-	4	19	725	98	855	797
14	Other metal stamping and pressing .....	2,886	719	2,276	3,116	6,201	78,225	36,521
16	Railway operating .....	232	172,469	26	3,501	776	13	6,686
17	Railroad cars and loco- motives .....	22,961	49	-	12,525	418	-	4,121
18	Shipbuilding .....	-	100	-	8,066	166	4	1,707
19	Pipes and tubes .....	129,794	-	1,173	27	-	-	428
20	Miscellaneous .....	1,504	200	5,324	406	154	3,686	4,842
Total domestic shipments		206,079	196,336	410,253	356,879	107,121	483,242	631,797
5a	<u>Export - For conversion and return</u>							
i	USA .....	-	-	189	-	-	-	-
ii	Other countries .....	-	-	-	-	-	-	-
5b	<u>Other export (for final sale)</u>							
i	USA .....	124,000	8,198	3,824	16,852	16,471	11,332	56,395
ii	Other countries .....	13,829	74,542	10,527	177	264	628	6,658(3)
Total domestic and export shipments ...		343,908	279,076	424,793	373,908	123,856	495,202	694,850(3)
Imports by producers (in- cluding conversion) ....		7,835	-	-	-	-	-	-
Total net shipments		336,073	279,076	424,793	373,908	123,856	495,202	694,850(3)

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.  
(3) Includes revisions for November.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Twelve Months Ended December 1967

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
654	103,387	114,973	2,581	24,609	136,027	97,315	743,700	4a
102	17,899	20,265	1,103	-	4,700	-	67,475	b
-	4,597	272,471	18,683	20,448	145,321	18,858	697,591	6
-	15,474	55,776	2,992	12,188	19,491	5,348	191,312	7
41	9,095	39,873	2,262	194	39,112	240,121	425,549	8a
20	2,562	5,380	11	-	3,068	-	55,767	b
22	164,511	35,727	6,804	617	6,343	28,626	713,630	c
-	700	5,715	1,068	25	451,667	1,621	461,942	9
84	62,555	46,188	7,005	8,539	74,194	7,533	261,606	10
2,795	3,505	14,681	493	2,630	12,915	1,886	520,019	11
3,720	16,414	4,690	34	301	3,859	7,048	180,832	12
-	5,257	23,399	576	1,783	104,958	16,635	155,106	13
16	27,382	53,923	6,112	2,775	122,685	20,716	363,553	14
45,060	9,061	2,055	-	10	52	359	240,300	16
4	35,895	7,395	-	42	1,682	695	85,787	17
-	46,445	2,245	27	62	202	631	59,655	18
33	339,353	113,917	171,972	118	60,206	6,058	823,079	19
32	611	173	84	208	9,210	1,715	28,149	20
52,583	864,703	818,846	221,807	74,549	1,195,692	455,165	6,075,052	
-	-	-	1,826	-	31,308	-	33,323	5a
-	-	-	19	-	-	-	19	i
								ii
175	51,139	92,451	256	74	83,142	24,348	488,657	5b
3,768	-	60,427	-	178	155,721	56,651	383,370 (3)	i
								ii
56,526	915,842	971,724	223,908	74,801	1,465,863	536,164	6,980,421 (3)	
-	-	-	-	51	27,940	-	35,826	
56,526	915,842	971,724	223,908	74,750	1,437,923	536,164	6,944,595 (3)	



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## SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- P preliminary figures.
- r revised figures .
- . not reportable.
- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- less than three firms reporting.
- N.A. replaced by .. figures not available.
- x Confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in blanked, blown out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	January 1968
	net tons of 2,000 pounds
<u>Crude iron ore</u>	
From Canadian mines .....	8,154
From foreign mines .....	72,556
Pyrite cinder .....	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>	
From Canadian mines .....	519,262
From foreign mines .....	167,994
From own processing .....	106,383
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	15,941
Scrap iron and steel .....	5,881
Limestone .....	60,361
Dolomite .....	33,842
Coke .....	328,643

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
January

	1967	
	Tonnage made (1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Pig iron</u>		
Basic .....	400,979	1,815
Foundry (including silvery pig) (2) .....	55,274	10,455
Malleable .....	6,346	14,519
Total pig iron .....	462,599	26,789
Ferro-alloys .....	14,138	13,227
Stocks of pig iron on hand at end of month ....	262,232	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
January

	1968	
	Tonnage made (1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Pig iron</u>		
Basic .....	568,144	6,602
Foundry (including silvery pig) (2) .....	46,394	8,282
Malleable .....	3,274	15,688
Total pig iron .....	617,812	30,572
Ferro-alloys .....	13,709	15,034
Stocks of pig iron on hand at end of month ....	245,562	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,873,650
Basic oxygen furnace .....	3,550,000
Total ingots .....	12,393,650
Steel castings .....	500,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	January	
	1967	1968
	net tons of 2,000 pounds	
Pig iron .....	410,728	554,835
Scrap - Own make .....	207,592 <sup>r</sup>	262,928
Purchased .....	164,542	187,738
Total pig iron and scrap .....	782,862 <sup>r</sup>	1,005,501

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings

	January	
	1967	
	Tonnage made (1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>		
Basic open hearth .....	573,210	5,853
Electric .....	97,008 <sup>r</sup>	7,609
Basic oxygen furnace .....	(2)	(2)
Total steel ingots .....	670,218 <sup>r</sup>	13,462
Continuous cast steel included in above .....	41,640 <sup>r</sup>	x
Alloy steel ingots included in above .....	54,546 <sup>r</sup>	1,497
<u>Steel castings (both carbon and alloy)</u>		
Basic open hearth .....	(3)	-
Electric .....	16,341	16,492
Basic oxygen furnace .....	-	-
Total steel castings .....	16,341	16,492
<u>Alloy steel castings included in above</u>		
High alloy, except manganese and abrasion resistant .....	446 <sup>r</sup>	395 <sup>r</sup>
Manganese and abrasion resistant .....	2,802	2,585
All other alloys .....	922	882
Total alloy castings .....	4,170 <sup>r</sup>	3,862 <sup>r</sup>

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings

	January	
	1968	
	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds	
<u>Steel ingots (both carbon and alloy)</u>		
<u>(including continuous cast steel)</u>		
Basic open hearth .....	767,607	5,884
Electric .....	100,355	11,978
Basic oxygen furnace .....	(2)	-
Total steel ingots .....	867,962	17,862
Continuous cast steel included in above .....	78,152	x
Alloy steel ingots included in above .....	66,229	x
<u>Steel castings (both carbon and alloy)</u>		
Basic open hearth .....	-	-
Electric .....	14,682	10,650
Basic oxygen furnace .....	-	-
Total steel castings .....	14,682	10,650
<u>Alloy steel castings included in above</u>		
High alloy, except manganese and abrasion resistant .....	472	300
Manganese and abrasion resistant .....	1,921	1,960
All other alloys .....	636	563
Total alloy castings .....	3,029	2,823

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	January 1968	
	Carbon	Alloy
	net tons of 2,000 pounds	
Wholesalers and warehouses .....	-	6
Export .....	1,017	76
Automotive and aircraft industries .....	482	-
Agricultural (including implement and equipment manufacturers) .....	104	21
Construction (including public works, public utilities and structural steel fabricators) ...	63	265
Machinery and tools .....	1,806	344
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	743	1,473
Railway operating .....	2,160	233
Railroad cars and locomotives .....	1,186	136
Shipbuilding .....	67	4
Miscellaneous (including grinding balls and railway car wheels) .....	199	265
Totals .....	7,827	2,823

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
			net tons of 2,000 pounds		
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....					
March .....					
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
January

	1967	
	Made	Shipped
	net tons of 2,000 pounds	
<u>Pipe and tubing, welded and seamless</u>		
4 1/2" outside diameter and under (excluding tubing and casing) .....	20,784 <sup>r</sup>	21,076 <sup>r</sup>
Over 4 1/2" outside diameter (excluding tubing and casing) .....	23,884	22,970
Mechanical and pressure tubing, casing and oil well tubing .....	15,161 <sup>r</sup>	15,960 <sup>r</sup>
Totals .....	59,829 <sup>r</sup>	60,006 <sup>r</sup>
<u>Steel pipe fittings</u>		
Buttwelding fittings .....	132	117
Nipples .....	(1)	(1)
Other, including flanges and flanged fittings ...	584	632
Totals .....	716	749

(1) Included with "Other".

<sup>r</sup> Revised figures.

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
January

	1968	
	Made	Shipped
	net tons of 2,000 pounds	
<u>Pipe and tubing, welded and seamless</u>		
4 1/2" outside diameter and under (excluding tubing and casing) .....	22,653	19,922
Over 4 1/2" outside diameter (excluding tubing and casing) .....	53,888	50,721
Mechanical and pressure tubing, casing and oil well tubing .....	19,854	18,641
Totals .....	96,395	89,284
<u>Steel pipe fittings</u>		
Buttwelding fittings .....	92	120
Nipples .....	(1)	(1)
Other, including flanges and flanged fittings ...	497	446
Totals .....	589	566

(1) Included with "Other".

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
January 1968

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	47,656	-	59,956	47,937	12,019
For forging and piercing .....	20,266	-	15,433	...	15,433
Rails .....	28,909	-	26,511	...	26,511
Wire rods .....	34,633	-	34,591	...	34,591
Structural shapes:					
Heavy, including piling .....	33,985	-	33,137	...	33,137
Bar-sized shapes .....	9,531	-	9,198	...	9,198
Concrete reinforcing bars .....	36,065	-	30,848	...	30,848
Other hot rolled bars:					
Flats .....	2,636	-	10,665 )	4,762	( 41,060
Other .....	40,686	-	35,157 )		
Tie plates and track material:					
Angle bars .....	995	-	1,024	...	1,024
Tie plates .....	3,452	-	6,547	...	6,547
Track spikes .....	487	-	553	...	553
Plates (including plates for pipes and tubes) .....	101,178	-	97,663	...	97,663
Hot rolled sheets .....	193,498	-	194,370	90,741	103,629
Hot rolled strip .....	27,252	-	25,767	1,180	24,587
Total hot rolled products ...	581,229	-	581,420	144,620	436,800
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,659	-	5,902	...	5,902
Cold reduced sheets and strip, tin mill black plate and tin plate .....	158,514	35	169,129	42,759	126,370
Galvanized sheets .....	42,825	-	34,700	...	34,700
Total cold rolled and coated ..	206,998	35	209,731	42,759	166,972
Total carbon steel .....	788,227	35	791,151	187,379	603,772
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	2,094	-	2,094	2,094	-
For forging and piercing .....	5,597	-	5,597	...	5,597
Alloy plates .....	1,258	-	1,258	...	1,258
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	22,365	-	22,306	114	22,192
Cold finished bars .....	326	-	318	...	318
Wire rods .....	328	-	328	...	328
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,561	598	9,479	...	9,479
Total alloy steel .....	37,529	598	41,380	2,208	39,172

... Figures not appropriate or not applicable.

TABLE 14. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		January 1968	
		Carbon	Alloy
		net tons of 2,000 pounds	
4a	Wholesalers and warehouses - Steel service centres .....	51,598	1,506
b	Other warehouses .....	5,952	112
6	Automotive and aircraft industries	67,980	12,984
7	Agricultural .....	17,512	214
8a	Contractors - Building .....	27,905	-
b	Construction - Public and utility ..	5,686	-
c	Structural steel fabricators .....	55,965	332
9	Containers .....	42,058	41
10	Machinery and tools .....	19,495	2,362
11	Wire, wire products and fasteners ..	40,303	2,829
12	Natural resources and extractive industries .....	12,502	4,920
13	Appliances and utensils .....	16,076	216
14	Other metal stamping and pressing ..	27,675	631
16	Railway operating .....	28,200	-
17	Railroad cars and locomotives .....	7,310	172
18	Shipbuilding .....	2,964	98
19	Pipes and tubes .....	104,000	3,769
20	Miscellaneous .....	2,704	48
	Total domestic shipments .....	535,885	30,234
5a	Export - For conversion and return .....	-	1,944
5b	<u>Other export (for final sale)</u>		
i	USA .....	40,038	5,391
ii	Other countries .....	27,849	1,603
	Total domestic and export shipments .....	603,772	39,172
	Production, (for sale only) .....	788,227	37,529
	Imports by producers (including conversion) .....	35	598
	Inventory .....	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

.. Figures not available.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
January 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	28	19	-	5,264	1,418	6,323	5,260
b	Other warehouses .....	-	77	-	651	228	40	155
6	Automotive and aircraft industries .....	3,275	-	-	108	33	-	16,872
7	Agriculture .....	-	-	12	838	959	-	5,907
8a	Contractors - Building ...	-	-	124	702	135	3,901	382
b	Construction - Public and utility .....	-	-	-	90	-	4,344	385
c	Structural steel fabri- cators .....	-	92	314	19,086	3,807	10,091	4,864
9	Containers .....	-	-	-	-	-	-	-
10	Machinery and tools .....	-	-	820	675	135	373	2,429
11	Wire, wire products and fasteners .....	1,191	-	30,962	-	357	7	6,911
12	Natural resources and extractive industries ..	356	505	-	1,559	150	125	10,574
13	Appliances and utensils ..	-	-	-	147	-	152	79
14	Other metal stamping and pressing .....	203	72	33	259	468	4,823	2,835
16	Railway operating .....	-	18,259	-	192	54	-	501
17	Railroad cars and loco- motives .....	942	-	-	1,065	-	-	348
18	Shipbuilding .....	-	-	-	438	37	-	179
19	Pipes and tubes .....	13,104	-	62	-	-	25	19
20	Miscellaneous .....	58	-	600	132	26	248	681
	Total domestic shipments .....	19,157	19,024	32,927	31,206	7,807	30,452	58,381
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	1,873	796	1,926	1,902	1,391	339	4,651
ii	Other countries .....	12,019	6,691	66	29	-	57	220
	Total domestic and exports shipments ..	33,049	26,511	34,919	33,137	9,198	30,848	63,252
	Production (for sale only) .....	75,613	28,909	34,961	33,985	9,531	36,065	65,687
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	-	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

.. Figures not available.



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
January 1968

[illegible]

TABLE 16. Steel Capacity as of January 1, 1968

Firm and province	Ingots			Castings	
	Basic oxygen	Open hearth	Electric	Electric	Total capacity
tons of 2,000 pounds					
<u>Newfoundland</u>					
Newfoundland Steel Co. Ltd. ....	-	-	-	60,000	60,000
<u>Nova Scotia</u>					
Enamel and Heating Products Ltd. ....	-	-	20,000	-	20,000
Maritime Steel Foundries Ltd. ....	-	-	-	3,000	3,000
Sydney Steel Corporation .....	-	1,070,000	30,000	-	1,100,000
Total Nova Scotia .....	-	1,070,000	50,000	3,000	1,123,000
<u>Quebec</u>					
Abex Industries of Canada Ltd. (Amsco Joliette Division) .....	-	-	-	32,700	32,700
Atlas Steels Co., Division of Rio Algom Mines Limited .....	-	-	70,000	-	70,000
Canadian Steel Foundries Division of Hawker Siddeley Canada Ltd. ....	-	-	-	102,000	102,000
Canadian Steel Wheel Ltd. ....	-	-	145,800	-	145,800
Canadian Unitcast-Steel Limited .....	-	-	-	3,600	3,600
Crucible Steel of Canada Limited .....	-	-	48,000	-	48,000
Dominion Engineering Works Limited .....	-	-	-	15,000	15,000
Dosco Steel Limited .....	-	-	156,000	-	156,000
Griffin Steel Foundries Ltd. ....	-	-	-	52,500	52,500
Lynn MacLeod Metallurgy Ltd. ....	-	-	-	4,500	4,500
Manganese Steel Castings Ltd. ....	-	-	-	1,800	1,800
Sorel Steel Foundries Limited .....	-	-	-	24,000	24,000
Total Quebec .....	-	-	419,800	236,100	655,900
<u>Ontario</u>					
Algoma Steel Corp'n. Ltd., The .....	1,450,000	1,150,000	-	-	2,600,000
Atlas Steels Co., Division of Rio Algom Mines Limited .....	-	-	250,000	-	250,000
Black-Clawson-Kennedy Ltd. ....	-	-	-	14,000	14,000
Burlington Steel Co. Division of Slater Steel Industries Ltd. ....	-	-	250,000	-	250,000
Canada Electric Castings Co. Ltd. ....	-	-	-	5,000	5,000
Dominion Foundries & Steel Ltd. ....	2,100,000	-	50,850	-	2,150,850
Fahralloy Canada Ltd. ....	-	-	-	24,000	24,000
Fahralloy-Wisconsin Ltd. ....	-	-	-	4,500	4,500
Indiana Steel Products Co. of Canada Ltd., The .....	-	-	-	8,500	8,500
Lake Ontario Steel Co. Ltd. ....	-	-	200,000	-	200,000
Neelon Steel Ltd. ....	-	-	-	18,000	18,000
Steel Co. of Canada Ltd., The .....	-	4,750,000	-	-	4,750,000
Welmet Industries Limited .....	-	-	-	10,500	10,500
Total Ontario .....	3,550,000	5,900,000	750,850	84,500	10,285,350

TABLE 16. Steel Capacity as of January 1, 1968 - Concluded

Firm and province	Ingots			Castings	
	Basic oxygen	Open hearth	Electric	Electric	Total capacity
tons of 2,000 pounds					
<u>Manitoba</u>					
Abex Industries of Canada Ltd. ....	-	-	-	7,000	7,000
Griffin Steel Foundries Ltd. ....	-	-	-	70,000	70,000
Hudson Bay Mining and Smelting Co. Ltd. ...	-	-	-	2,225	2,225
Manitoba Rolling Mill Co., Ltd. ....	-	-	160,000	-	160,000
Total Manitoba .....	-	-	160,000	79,225	239,225
<u>Saskatchewan</u>					
Interprovincial Steel and Pipe Cor- poration Limited .....	-	-	150,000	-	150,000
Total Saskatchewan .....	-	-	150,000	-	150,000
<u>Alberta</u>					
Foothills Steel Foundry, Division of Irving Industries Ltd. ....	-	-	-	4,000	4,000
Quality Steel Foundries Ltd. ....	-	-	-	3,600	3,600
Steel Co. of Canada Ltd., The .....	-	-	128,000	-	128,000
Western Rolling Mills Ltd. ....	-	-	35,000	-	35,000
Total Alberta .....	-	-	163,000	7,600	170,600
<u>British Columbia</u>					
A-1 Steel and Iron Foundry Ltd. ....	-	-	-	7,800	7,800
C.A.E. Sumner Limited .....	-	-	-	3,600	3,600
Cominco Ltd. (Kimberley) .....	-	-	80,000	-	80,000
Cominco Ltd. (Tadanac) .....	-	-	-	3,600	3,600
Esco Limited .....	-	-	-	5,400	5,400
Horton Steel .....	-	-	-	2,200	2,200
Reliance Foundry Co. Ltd. ....	-	-	-	4,400	4,400
Western Canada Steel Ltd., Vancouver Steel Division .....	-	-	100,000	-	100,000
Victoria Machinery Depot Co. Ltd. ....	-	-	-	3,000	3,000
Total British Columbia .....	-	-	180,000	30,000	210,000
Total Canada .....	3,550,000	6,970,000	1,873,650	500,425	12,894,075

TABLE 17. Pig Iron Capacity, January 1, 1968

Firm	In blast or in use		Annual capacity
	Furnaces		
	Blast	Electric	
	number		net tons
Algoma Steel Corp'n. Ltd., The .....	5	-	2,335,000
Canadian Furnace Division of The Algoma Steel Corp'n. Ltd. ....	1	-	240,000
Cominco Ltd. ....	-	2	110,000
Dominion Foundries and Steel Ltd. ....	3	-	1,550,000
Quebec Iron and Titanium Corporation .....	-	9	465,000
Steel Company of Canada Ltd., The .....	5	-	3,700,000
Sydney Steel Corporation .....	2	-	876,000
Totals .....	16	11	9,276,000

Note: No furnaces in blanked, blown out or idle state.

TABLE 18. Coke Oven Capacity, January 1, 1968

Firm	In use	
	Ovens	Annual capacity
	number	net tons (of coke)
Algoma Steel Corp'n. Ltd., The .....	260	1,852,000
Crows Nest Industries Ltd. ....	52	164,000
Dominion Foundries and Steel Limited .....	158	950,000
Quebec Natural Gas Corp'n. ....	74	384,000
Steel Company of Canada Ltd., The .....	264	2,100,000
Sydney Steel Corporation .....	114	612,000
Totals .....	922	6,062,000

TABLE 19. Sinter Plant Capacity(1) January 1, 1968

Firm	Sintering	
	units or strands	Annual capacity
	number	net tons
Algoma Steel Corporation Ltd., The .....	1	725,000
Cominco Ltd. ....	1	300,000
Steel Co. of Canada Ltd., The .....	1	900,000
Sydney Steel Corporation .....	1	250,000
Totals .....	4	2,175,000

(1) At manufacturing plant only.

Note: Annual capacity is the production which the given piece of equipment will turn out in a year, working at normal efficiency, 24 hours a day, and irrespective altogether of materials and labour supplies or the markets, although allowing for shut-downs as may be necessary for repairs and overhauling or rebuilding.

List of Reporting Firms

Name	Plant location
<u>Pig Iron</u>	
Algoma Steel Corporation Ltd., The .....	Sault Ste. Marie, Ont.
Canadian Furnace Division of the Algoma Steel Corp'n. Ltd. ....	Port Colborne, Ont.
Cominco Ltd. ....	Kimberley, B.C.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Quebec Iron & Titanium Corporation .....	Sorel, Que.
Steel Co. of Canada Ltd., The .....	Hamilton, Ont.
Sydney Steel Corporation .....	Sydney, N.S.
<u>Steel Ingots and Steel Castings</u>	
A-1 Steel and Iron Foundry Ltd. ....	Vancouver, B.C.
Abex Industries of Canada Ltd., Amsco Joliette Division .....	Joliette, Que. Selkirk, Man.
Algoma Steel Corporation Ltd., The .....	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Tracy, Que. Welland, Ont.
Black-Clawson-Kennedy Ltd. ....	Owen Sound, Ont.
Burlington Steel Co., Division of Slater Steel Industries Ltd. ....	Hamilton, Ont.
C.A.E. Machinery Ltd. ....	Vancouver, B.C.
Canadian Steel Foundries Division of Hawker Siddeley Canada Ltd. ....	Montreal, Que.
Canadian Steel Wheel Ltd. ....	Hochelaga, Montreal, Que.
Canadian Unitcast-Steel Ltd. ....	Sherbrooke, Que.
Cominco Ltd. ....	Kimberley, B.C. Tadanac, B.C.
Crucible Steel of Canada Ltd. ....	Sorel, Que.
Dominion Engineering Works Ltd. ....	Montreal, Que.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited .....	Montreal, Que.
Enamel & Heating Products Ltd. ....	Amherst, N.S.
Esco Limited .....	Port Coquitlam, B.C.
Fahralloy Canada Ltd. ....	Orillia, Ont.
Foothills Steel Foundry, Division of Irving Industries Ltd. ....	Calgary, Alta.
Griffin Steel Foundries Ltd. ....	St. Hyacinthe, Que. Transcona, Man.
Indiana Steel Products Co. of Canada Ltd. The .....	Kitchener, Ont.
Interprovincial Steel & Pipe Corporation Ltd. ....	Regina, Sask.
Lake Ontario Steel Co. Ltd. ....	Whitby, Ont.
Lynn MacLeod Metallurgy Ltd. ....	Thetford Mines, Que.
Manganese Steel Castings Ltd. ....	Sherbrooke, Que.
Manitoba Rolling Mill Co. Ltd. ....	Winnipeg, Man.
Maritime Steel Foundries Ltd. ....	New Glasgow, N.S.
Neelon Steel Ltd. ....	Sudbury, Ont.
Newfoundland Steel Co. Ltd. ....	St. John's Nfld.
Quality Steel Foundries Ltd. ....	Edmonton, Alta.
Reliance Foundry Co. Ltd. ....	North Surrey, B.C.
Sorel Steel Foundries Ltd. ....	Sorel, Que.



List of Reporting Firms - Continued

Name	Plant location
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Steel Ingots and Steel Castings - Concluded

Steel Co. of Canada Ltd., The .....	Hamilton, Ont. Edmonton, Alta.
Sydney Steel Corporation .....	Sydney, N.S.
Victoria Machinery Depot Co. Ltd. ....	Victoria, B.C.
Welmet Industries Ltd. ....	Welland, Ont.
Western Canada Steel Ltd. ....	Calgary, Alta. Vancouver, B.C.

Ferro Alloys

Canadian Carborundum Co. Ltd. ....	Niagara Falls, Ont.
Chromium Mining & Smelting Corp. Ltd. ....	Beauharnois, Que.
Exolon Company, The .....	Thorold, Ont.
Lionite Abrasive Ltd. ....	Niagara Falls, Ont.
Norton Company .....	Chippawa, Ont.
Simonds Canada Abrasives Co. ....	Arvida, Que.
Union Carbide Canada Ltd. (Metals & Carbon Div.) .....	Beauharnois, Que. Welland, Ont.

Steel Pipe, Tubing and Fittings

Barton Tubes Limited .....	Burlington, Ont.
Bundy Tubing Co. of Canada Ltd. ....	Bramalea, Ont.
Camrose Tubes Ltd. ....	Camrose, Alta.
Canadian Acme Screw & Gear Co. ....	Toronto, Ont.
Canadian Coupling & Fittings Ltd. ....	Simcoe, Ont.
Canadian Phoenix Steel & Pipe Ltd. ....	Calgary, Alta. Edmonton, Alta. Port Moody, B.C.
Crane Canada Ltd. ....	Montreal, Que. Hamilton, Ont.
Dosco Steel Limited (Montreal Works) .....	Montreal, Que.
Driam Pipe Canada Ltd. ....	Toronto, Ont.
Interprovincial Steel & Pipe Corp. Ltd. Pipe Div. ....	Regina, Sask.
Ladish Co. of Canada Ltd. ....	Brantford, Ont.
Mannesmann Tube Co. Ltd. ....	Sault Ste. Marie, Ont.
Page-Hersey Tubes Ltd. (Steel Co. of Canada Ltd.) .....	Hamilton, Ont.
Page-Hersey Tubes Western Ltd. (Steel Co. of Canada Ltd.) .....	Camrose, Alta.
Prudential Steel Ltd. ....	Calgary, Alta.
Sonco Steel Products Ltd. ....	Brampton, Ont.
Standard Tube & T.I. Ltd. ....	Montreal, Que. Woodstock, Ont. Winnipeg, Man.
Stanton Pipes Ltd. ....	Hamilton, Ont.

List of Reporting Firms - Concluded

Name	Plant location
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Steel Pipe, Tubing and Fittings - Concluded

Steel Co. of Canada Ltd., The .....	Contrecoeur, Que. Montreal, Que. Hamilton, Ont.
Tubular Steel Products Ltd. ....	Scarborough, Ont.
Tube Turns of Canada Ltd. ....	Ridgetown, Ont.
Welland Tubes Ltd. ....	Welland, Ont.

Ingots and Rolled Steel Products

Algoma Steel Corp. Ltd. The .....	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Tracy, Que. Welland, Ont.
Burlington Steel Co., Division of Slater Industries Ltd. ....	Hamilton, Ont.
Canadian Steel Wheel .....	Hochelaga, Montreal, Que.
Cominco Ltd. ....	Kimberley, B.C.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont. Contrecoeur, Que. Montreal, Que. Etobicoke, Ont.
Enamel & Heating Products Ltd. ....	Amherst, N.S.
Interprovincial Steel & Pipe Corp. Ltd. (Steel Division) ....	Regina, Sask.
Lake Ontario Steel Co. Ltd. ....	Whitby, Ont.
Manitoba Rolling Mill Co. Ltd. ....	Winnipeg, Man.
Newfoundland Steel Co. Ltd. ....	St. John's N'fld.
Stanley Steel Co. Ltd. ....	Hamilton, Ont.
Steel Co. of Canada Ltd., The .....	Hamilton, Ont. Edmonton, Alta.
Sydney Steel Corporation .....	Sydney, N.S.
Union Drawn Steel Co. Ltd. ....	Hamilton, Ont.
Vic Metal Corporation .....	Victoriaville, Que.
Western Canada Steel Ltd. ....	Calgary, Alta. Vancouver, B.C.



CATALOGUE No.

41-001

MONTHLY



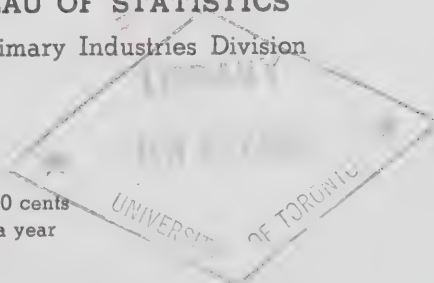
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FEBRUARY 1968

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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	February 1968	Two months ended February 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	19,149	27,303
From foreign mines .....	56,461	129,017
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	589,581	1,108,843
From foreign mines .....	205,868	373,862
From own processing .....	110,979	217,362
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	15,071	31,012
Scrap iron and steel .....	8,424	14,305
Limestone .....	67,741	128,102
Dolomite .....	37,450	71,292
Coke .....	358,374	687,017

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
February

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	475,998	3,716	602,679	6,150
Foundry (including silvery pig)(2) .....	38,264	9,624	43,143	12,772
Malleable .....	15,842	15,735	28,752	12,021
Total pig iron .....	530,104	29,075	674,574	30,943
Ferro-alloys .....	13,712	16,893	15,387	13,124
Stocks of pig iron on hand at end of month ....	277,764		311,376	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Two months ended February

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	876,977	5,531	1,170,823	12,752
Foundry (including silvery pig)(2) .....	93,538	20,079	89,537	21,054
Malleable .....	22,188	30,254	32,026	27,709
Total pig iron .....	992,703	55,864	1,292,386	61,515
Ferro-alloys .....	27,850	30,120	29,096	28,158

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,873,650
Basic oxygen furnace .....	3,550,000
Total ingots .....	12,393,650
Steel castings .....	500,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	February		Two months ended February	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	476,683	567,805	887,411	1,122,640
Scrap - Own make .....	217,134	256,044	424,726	518,972
Purchased .....	181,291 <sup>r</sup>	166,145	345,833 <sup>r</sup>	353,883
Total pig iron and scrap .....	875,108 <sup>r</sup>	989,994	1,657,970 <sup>r</sup>	1,995,495

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings  
February

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	643,780	4,301	756,135	8,252
Electric .....	107,189 <sup>r</sup>	11,593	101,530	16,153
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	750,969 <sup>r</sup>	15,894	857,665	24,405
Continuous cast steel included in above .....	52,877 <sup>r</sup>	x	74,789	x
Alloy steel ingots included in above .....	52,576 <sup>r</sup>	1,432 <sup>r</sup>	51,459	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	14,433 <sup>r</sup>	13,006 <sup>r</sup>	12,112	11,539
Basic oxygen furnace .....	-	-	-	-
Total steel castings .....	14,433 <sup>r</sup>	13,006 <sup>r</sup>	12,112	11,539
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	531	431	435	266
Manganese and abrasion resistant .....	2,648	2,636	2,061	2,200
All other alloys .....	785	704	609	502
Total alloy castings .....	3,964	3,771	3,105	2,968

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

<sup>r</sup> Revised figures.

x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Two months ended February

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	1,216,990	10,154	1,523,742	14,136
Electric .....	204,197 <sup>r</sup>	19,202	201,885	28,131
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	1,421,187 <sup>r</sup>	29,356	1,725,627	42,267
Continuous cast steel included in above .....	94,517 <sup>r</sup>		152,941	x
Alloy steel ingots included in above .....	107,122 <sup>r</sup>	2,929 <sup>x</sup>	117,688	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	30,774 <sup>r</sup>	29,498 <sup>r</sup>	26,794	22,189
Basic oxygen furnace .....	-	-	-	-
Total steel castings .....	30,774 <sup>r</sup>	29,498 <sup>r</sup>	26,794	22,189
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	977	826	907	566
Manganese and abrasion resistant .....	5,450	5,221	3,982	4,160
All other alloys .....	1,707	1,586	1,245	1,065
Total alloy castings .....	8,134	7,633	6,134	5,791

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

Note: High alloy castings include all castings with an alloy content of 8% and over.

(3) Included with "Electric".

x Confidential to meet secrecy requirements of the Statistics Act.

<sup>r</sup> Revised figures.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	February 1968		Two months ended February 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	5	-	11
Export .....	1,014	90	2,031	166
Automotive and aircraft industries .....	503	-	985	-
Agricultural (including implement and equipment manufacturers) .....	92	16	196	37
Construction (including public works, public utilities and structural steel fabricators) ...	110	252	173	517
Machinery and tools .....	1,753	418	3,559	762
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	948	1,523	1,691	2,996
Railway operating .....	2,338	335	4,498	568
Railroad cars and locomotives .....	1,599	62	2,785	198
Shipbuilding .....	17	9	84	13
Miscellaneous (including grinding balls and railway car wheels) .....	197	258	396	523
Totals .....	8,571	2,968	16,398	5,791

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
	net tons of 2,000 pounds				
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March.....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....					
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					



TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
February

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	23,136 <sup>r</sup>	20,159 <sup>r</sup>	23,568	21,045
Over 4 1/2" outside diameter (excluding tubing and casing) .....	18,116	16,809	46,552	54,938
Mechanical and pressure tubing, casing and oil well tubing .....	14,699 <sup>r</sup>	14,988 <sup>r</sup>	15,647	18,598
Totals .....	55,951 <sup>r</sup>	51,956 <sup>r</sup>	85,767	94,581
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	148	116	145	132
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	575	555	493	562
Totals .....	723	671	638	694

(1) Included with "Other".  
<sup>r</sup> Revised figures.

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Two months ended February

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	43,920 <sup>r</sup>	41,235 <sup>r</sup>	46,221	40,967
Over 4 1/2" outside diameter (excluding tubing and casing) .....	42,000	39,779	100,440	105,659
Mechanical and pressure tubing, casing and oil well tubing .....	29,860 <sup>r</sup>	30,948 <sup>r</sup>	35,501	37,239
Totals .....	115,780 <sup>r</sup>	111,962 <sup>r</sup>	182,162	183,865
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	280	233	237	252
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,159	1,187	990	1,008
Totals .....	1,439	1,420	1,227	1,260

(1) Included with "Other".  
<sup>r</sup> Revised figures.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
February 1968

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	35,911	-	45,153	36,310	8,843
For forging and piercing .....	23,204	-	19,499	...	19,499
Rails .....	26,286	-	18,978	...	18,978
Wire rods .....	36,311	-	37,050	...	37,050
Structural shapes:					
Heavy, including piling .....	29,958	-	28,714	...	28,714
Bar-sized shapes .....	8,788	-	9,735	...	9,735
Concrete reinforcing bars .....	41,361	-	38,148	...	38,148
Other hot rolled bars:					
Flats .....	11,694	-	9,020	) 4,535	37,715
Other .....	39,109	-	33,230	)	
Tie plates and track material:					
Angle bars .....	310	-	334	...	334
Tie plates .....	2,278	-	5,177	...	5,177
Track spikes .....	1,724	-	1,846	...	1,846
Plates (including plates for pipes and tubes) .....	107,455	-	104,760	...	104,760
Hot rolled sheets .....	191,360	-	190,242	82,810	107,432
Hot rolled strip .....	26,239	-	21,560	635	20,925
Total hot rolled products ...	581,988	-	563,446	124,290	439,156
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,087	-	5,291	...	5,291
Cold reduced sheets and strip, tin mill black plate and tin plate .....	155,989	-	168,122	45,791	122,331
Galvanized sheets .....	39,186	-	39,698	...	39,698
Total cold rolled and coated ..	200,262	-	213,111	45,791	167,320
Total carbon steel .....	782,250	-	776,557	170,081	606,476
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	383	-	383	383	-
For forging and piercing .....	4,981	-	4,981	...	4,981
Alloy plates .....	713	-	713	...	713
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	16,287	-	16,249	144	16,105
Cold finished bars .....	306	-	299	...	299
Wire rods .....	196	-	196	...	196
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,648	1,589	6,793	...	6,793
Total alloy steel .....	28,514	1,589	29,614	527	29,087

... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Two months ended February 1968

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	83,567	-	105,881 (1)	84,247	21,634 (1)
For forging and piercing .....	43,470	-	34,160 (1)	...	34,160 (1)
Rails .....	55,195	-	45,489	...	45,489
Wire rods .....	70,944	-	71,641	...	71,641
Structural shapes:					
Heavy, including piling .....	63,943	-	61,851	...	61,851
Bar-sized shapes .....	18,319	-	18,933	...	18,933
Concrete reinforcing bars .....	77,426	-	68,996	...	68,996
Other hot rolled bars:					
Flats .....	14,330	-	19,685	)	9,297
Other .....	79,795	-	68,387	)	
Tie plates and track material:					
Angle bars .....	1,305	-	1,358	...	1,358
Tie plates .....	5,730	-	11,724	...	11,724
Track spikes .....	2,211	-	2,399	...	2,399
Plates (including plates for pipes and tubes) .....	208,633	-	202,423	...	202,423
Hot rolled sheets .....	384,858	-	384,612	173,551	211,061
Hot rolled strip .....	53,491	-	47,327	1,815	45,512
Total hot rolled products ...	1,163,217	-	1,144,866	268,910	875,956
<u>Cold rolled and coated</u>					
Cold finished bars .....	10,746	-	11,193	...	11,193
Cold reduced sheets and strip, tin mill black plate and tin plate .....	314,503	35	337,251	88,550	248,701
Galvanized sheets .....	82,011	-	74,398	...	74,398
Total cold rolled and coated ..	407,260	35	422,842	88,550	334,292
Total carbon steel .....	1,570,477	35	1,567,708	357,460	1,210,248
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	2,477	-	2,477	2,477	-
For forging and piercing .....	10,578	-	10,578	...	10,578
Alloy plates .....	1,971	-	1,971	...	1,971
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	38,652	-	38,555	258	38,297
Cold finished bars .....	632	-	617	...	617
Wire rods .....	524	-	524	...	524
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	11,209	2,187	16,272	...	16,272
Total alloy steel .....	66,043	2,187	70,994	2,735	68,259

(1) Includes revisions for January.

... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		February 1968		Two months ended February 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	62,135	1,468	113,733	2,974
b	Other warehouses .....	5,723	-	11,675	112
6	Automotive and aircraft industries	60,581	10,272	128,561	23,256
7	Agricultural .....	13,420	205	30,932	419
8a	Contractors - Building .....	33,735	24	61,640	24
b	Construction - Public and utility ..	4,193	4	9,879	4
c	Structural steel fabricators .....	52,569	205	108,534	537
9	Containers .....	40,939	55	82,997	96
10	Machinery and tools .....	19,374	2,556	38,869	4,918
11	Wire, wire products and fasteners ..	42,302	1,975	82,605	4,804
12	Natural resources and extractive industries .....	11,833	1,754	24,335	6,674
13	Appliances and utensils .....	13,524	252	29,600	468
14	Other metal stamping and pressing ..	27,598	761	55,273	1,392
16	Railway operating .....	25,414	19	53,614	19
17	Railroad cars and locomotives .....	3,559	120	10,869	292
18	Shipbuilding .....	2,892	7	5,856	105
19	Pipes and tubes .....	102,886	3,251	206,886	7,020
20	Miscellaneous .....	5,018	103	7,722	151
	Total domestic shipments .....	527,695	23,031	1,063,580	53,265
5a	Export - For conversion and return .....	-	1,332	-	3,276
5b	Other export (for final sale)				
i	USA .....	62,914	3,886	102,952	9,277
ii	Other countries .....	15,867	838	43,716	2,441
	Total domestic and export shipments .....	606,476	29,087	1,210,248	68,259
	Production, (for sale only) .....	782,250	28,514	1,570,477	66,043
	Imports by producers (including conversion) .....	-	1,589	35	2,187
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

.. Figures not available.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
February 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	1	10	10	4,681	2,257	7,599	7,206
b	Other warehouses .....	-	-	-	771	247	86	234
6	Automotive and aircraft industries .....	2,689	-	-	205	2	-	12,840
7	Agriculture .....	-	-	44	594	870	3	3,779
8a	Contractors - Building ...	-	-	62	1,028	19	6,062	220
b	Construction - Public and utility .....	-	-	-	-	21	2,973	140
c	Structural steel fabri- cators .....	113	69	128	16,851	3,131	13,701	3,338
9	Containers .....	-	-	-	-	-	-	75
10	Machinery and tools .....	-	3	404	624	449	166	2,492
11	Wire, wire products and fasteners .....	216	-	32,004	2	364	-	7,244
12	Natural resources and extractive industries ..	209	775	-	362	113	154	7,800
13	Appliances and utensils ..	-	-	-	133	4	-	58
14	Other metal stamping and pressing .....	181	-	103	398	526	5,937	2,699
16	Railway operating .....	-	17,504	-	172	132	-	202
17	Railroad cars and loco- motives .....	1,148	-	-	249	32	-	206
18	Shipbuilding .....	-	-	-	346	3	-	39
19	Pipes and tubes .....	16,201	-	105	-	-	-	-
20	Miscellaneous .....	2,196	-	440	35	85	814	297
	Total domestic shipments .....	22,954	18,361	33,300	26,451	8,255	37,495	48,869
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	8,396	617	3,380	2,259	1,480	608	4,718
ii	Other countries .....	1,973	-	566	4	-	45	233
	Total domestic and exports shipments ..	33,323	18,978	37,246	28,714	9,735	38,148	53,820
	Production (for sale only) .....	64,479	26,286	36,507	29,958	8,788	41,361	67,090
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	-	-
	Inventory .....	..	..	..	..	..	..	..

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
February 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
79	10,690	10,343	265	1,969	11,753	6,740	63,603	4a
-	1,831	1,465	166	-	923	-	5,723	b
-	469	35,512	1,688	1,497	14,188	1,763	70,853	6
-	1,081	4,658	202	465	1,656	273	13,625	7
-	576	3,883	223	26	3,904	17,756	33,759	8a
-	-	754	6	-	268	35	4,197	b
12	10,755	2,238	421	151	968	898	52,774	c
-	21	596	24	-	40,069	209	40,994	9
-	5,015	3,017	792	817	7,594	557	21,930	10
1,049	215	1,463	5	213	1,313	189	44,277	11
71	2,172	829	-	27	607	468	13,587	12
-	531	1,915	54	131	9,450	1,500	13,776	13
5	2,748	4,280	661	189	9,704	928	28,359	14
6,139	835	315	74	-	21	39	25,433	16
-	1,219	568	-	-	44	213	3,679	17
-	2,367	-	-	49	95	-	2,899	18
-	57,080	11,234	16,328	32	4,300	857	106,137	19
1	-	3	16	-	1,106	128	5,121	20
7,356	97,605	83,073	20,925	5,566	107,963	32,553	550,726	
-	-	-	-	-	1,332	-	1,332	5a
								5b
1	7,868	22,805	-	19	9,893	4,756	66,800	i
-	-	1,554	-	5	9,936	2,389	16,705	ii
7,357	105,473	107,432	20,925	5,590	129,124	39,698	635,563	
4,312	108,168	191,360	26,239	5,393	161,637	39,186	810,764	
-	-	-	-	-	1,589	-	1,589	
..	..	..	..	..	..	..	..	

.. Figures not available.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Two months ended February 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	29	29	10	9,945	3,675	13,922	12,466
b	Other warehouses .....	-	77	-	1,422	475	126	38
6	Automotive and aircraft industries .....	5,964	-	-	313	35	-	29,712
7	Agriculture .....	-	-	56	1,432	1,829	3	9,686
8a	Contractors - Building ...	-	-	186	1,730	154	9,963	602
b	Construction - Public and utility .....	-	-	-	90	21	7,317	525
c	Structural steel fabri- cators .....	113	161	442	35,937	6,938	23,792	8,202
9	Containers .....	-	-	-	-	-	-	75
10	Machinery and tools .....	-	3	1,224	1,299	584	539	4,921
11	Wire, wire products and fasteners .....	1,407	-	62,966	2	721	7	14,155
12	Natural resources and extractive industries ..	565	1,280	-	1,921	263	279	18,374
13	Appliances and utensils ..	-	-	-	280	4	152	137
14	Other metal stamping and pressing .....	384	72	136	657	994	10,760	5,534
16	Railway operating .....	-	35,763	-	364	186	-	703
17	Railroad cars and loco- motives .....	2,090	-	-	1,314	32	-	554
18	Shipbuilding .....	-	-	-	784	40	-	218
19	Pipes and tubes .....	29,305	-	167	-	-	25	19
20	Miscellaneous .....	2,254	-	1,040	167	111	1,062	978
Total domestic shipments .....		42,111	37,385	66,227	57,657	16,062	67,947	107,250
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	10,269	1,413	5,306	4,161	2,871	947	9,369
ii	Other countries .....	13,992	6,691	632	33	-	102	453
Total domestic and exports shipments ..		66,372	45,489	72,165	61,851	18,933	68,996	117,072
Production (for sale only) .....		140,092	55,195	71,468	63,943	18,319	77,426	132,777
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Inventory .....		..	..	..	..	..	..	..

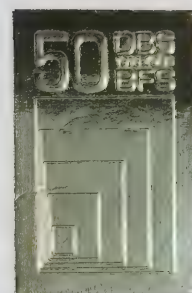
- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Two months ended February 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
152	18,832	17,468	557	3,884	22,999	12,739	116,707	4a
3	3,734	3,527	288	-	1,746	-	11,787	b
-	1,088	73,357	3,448	3,601	30,630	3,669	151,817	6
-	2,770	10,528	283	973	3,369	422	31,351	7
-	1,297	6,673	365	33	7,620	33,041	61,664	8a
-	48	1,274	6	-	469	133	9,883	b
15	23,763	4,312	1,144	165	1,957	2,130	109,071	c
-	21	807	152	7	81,743	288	83,093	9
4	10,225	5,887	1,427	1,627	14,937	1,110	43,787	10
1,054	741	3,052	26	422	2,527	329	87,409	11
118	4,032	1,411	3	49	1,762	952	31,009	12
-	858	3,663	91	326	21,480	3,077	30,068	13
5	4,917	8,592	814	488	20,968	2,344	56,665	14
14,128	1,859	412	74	-	38	106	53,633	16
-	5,594	1,139	-	5	140	293	11,161	17
-	4,656	54	-	67	119	23	5,961	18
-	105,864	30,378	36,818	32	10,113	1,185	213,906	19
1	-	3	16	87	1,780	374	7,873	20
15,480	190,299	172,537	45,512	11,766	224,397	62,215	1,116,845	
-	-	-	-	-	3,276	-	3,276	5a
								5b
1	14,095	35,527	-	36	19,359	8,875	112,229	i
-	-	2,997	-	8	17,941	3,308	46,157	ii
15,481	204,394	211,061	45,512	11,810	264,973	74,398	1,278,507	
9,246	210,604	384,858	53,491	11,378	325,712	82,011	1,636,520	
-	-	-	-	-	1,624	-	1,624	
..	..	..	..	..	..	..	..	

.. Figures not available.





PRIMARY IRON AND STEEL  
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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	March 1968	Three months ended March 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	22,357	49,660
From foreign mines .....	68,479	197,496
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	689,330	1,798,173
From foreign mines .....	221,129	594,991
From own processing .....	117,821	335,183
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	15,394	46,406
Scrap iron and steel .....	10,382	24,687
Limestone .....	75,809	203,911
Dolomite .....	42,272	113,564
Coke .....	405,097	1,092,114

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
March

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	551,720	3,744	680,022	5,371
Foundry (including silvery pig) (2) .....	40,152	26,318	48,438	12,414
Malleable .....	20,452	14,513	45,690	11,399
Total pig iron .....	612,324	44,575	774,150	29,184
Ferro-alloys .....	17,408	17,143	14,104	14,235
Stocks of pig iron on hand at end of month ....	258,327		385,527	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Three months ended March

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	1,428,697	9,275	1,850,845	18,123
Foundry (including silvery pig) (2) .....	133,690	46,397	137,975	33,468
Malleable .....	42,640	44,767	77,716	39,108
Total pig iron .....	1,605,027	100,439	2,066,536	90,699
Ferro-alloys .....	45,258	47,263	43,200	42,393

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,873,650
Basic oxygen furnace .....	3,550,000
Total ingots .....	12,393,650
Steel castings .....	500,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	March		Three months ended March	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	553,187	661,641	1,440,598	1,784,281
Scrap - Own make .....	272,898	278,448	697,624	797,420
Purchased .....	194,757 <sup>r</sup>	190,422	540,590 <sup>r</sup>	544,305
Total pig iron and scrap .....	1,020,842 <sup>r</sup>	1,130,511	2,678,812 <sup>r</sup>	3,126,006

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings

March				
	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	765,075	2,311	866,195	11,628
Electric .....	114,078 <sup>r</sup>	13,414	120,779	16,929
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	879,153 <sup>r</sup>	15,725	986,974	28,557
Continuous cast steel included in above .....	52,159 <sup>r</sup>	x	76,289	x
Alloy steel ingots included in above .....	79,373 <sup>r</sup>	1,386 <sup>r</sup>	69,498	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	-	-
Electric .....	15,655 <sup>r</sup>	14,925 <sup>r</sup>	12,265	11,853
Basic oxygen furnace .....	(3)	(3)	-	-
Total steel castings .....	15,655 <sup>r</sup>	14,925 <sup>r</sup>	12,265	11,853
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	588	509	450	291
Manganese and abrasion resistant .....	2,932	2,656	2,004	2,053
All other alloys .....	855	846	576	575
Total alloy castings .....	4,375	4,011	3,030	2,919

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Three months ended March

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	1,982,065	12,465	2,389,937	25,764
Electric .....	318,275 <sup>r</sup>	32,616	322,664	45,060
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	2,300,340 <sup>r</sup>	45,081	2,712,601	70,824
Continuous cast steel included in above .....	146,676 <sup>r</sup>	x	229,230	x
Alloy steel ingots included in above .....	186,495 <sup>r</sup>	4,315 <sup>r</sup>	187,186	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	46,429 <sup>r</sup>	44,423 <sup>r</sup>	39,059	34,042
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	46,429 <sup>r</sup>	44,423 <sup>r</sup>	39,059	34,042
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	1,565	1,335	1,357	857
Manganese and abrasion resistant .....	8,382	7,877	5,986	6,213
All other alloys .....	2,562	2,432	1,821	1,640
Total alloy castings .....	12,509	11,644	9,164	8,710

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	March 1968		Three months ended March 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	5	-	16
Export .....	793	191	2,824	357
Automotive and aircraft industries .....	477	-	1,462	-
Agricultural (including implement and equipment manufacturers) .....	83	21	279	58
Construction (including public works, public utilities and structural steel fabricators) ...	58	318	231	835
Machinery and tools .....	1,597	369	5,156	1,131
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,138	1,314	2,829	4,310
Railway operating .....	3,060	333	7,558	901
Railroad cars and locomotives .....	1,535	103	4,320	301
Shipbuilding .....	11	3	95	16
Miscellaneous (including grinding balls and railway car wheels) .....	182	262	578	785
Totals .....	8,934	2,919	25,332	8,710

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....					
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe, Tubing and Fittings  
March

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	23,429	22,032	23,016	19,143
Over 4 1/2" outside diameter (excluding tubing and casing) .....	39,472	35,638	55,386	54,553
Mechanical and pressure tubing, casing and oil well tubing .....	16,397	19,079	17,138	19,548
Totals .....	79,298	76,749	95,540	93,244
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	133	132	116	84
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	658	677	451	515
Totals .....	791	809	567	599

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe, Tubing and Fittings  
Three months ended March

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	67,349 <sup>r</sup>	63,267 <sup>r</sup>	69,237	60,110
Over 4 1/2" outside diameter (excluding tubing and casing) .....	81,472	75,417	155,826	160,212
Mechanical and pressure tubing, casing and oil well tubing .....	46,257 <sup>r</sup>	50,027 <sup>r</sup>	52,639	56,787
Totals .....	195,078 <sup>r</sup>	188,711 <sup>r</sup>	277,702	277,109
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	413	365	353	336
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	1,817	1,864	1,441	1,523
Totals .....	2,230	2,229	1,794	1,859

(1) Included with "Other".

<sup>r</sup> Revised figures.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
March 1968

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	58,028	-	63,798	39,481	24,317
For forging and piercing .....	16,875	-	22,889	...	22,889
Rails .....	21,285	-	29,987	...	29,987
Wire rods .....	43,888	-	43,023	...	43,023
Structural shapes:					
Heavy, including piling .....	38,623	-	36,219	...	36,219
Bar-sized shapes .....	11,002	-	9,412	...	9,412
Concrete reinforcing bars .....	49,676	-	46,102	...	46,102
Other hot rolled bars:					
Flats .....	8,543	-	9,109 )	4,893	41,819
Other .....	41,277	-	37,603 )		
Tie plates and track material:					
Angle bars .....	141	-	214	...	214
Tie plates .....	5,816	-	4,823	...	4,823
Track spikes .....	925	-	627	...	627
Plates (including plates for pipes and tubes) .....	116,403	-	112,850	...	112,850
Hot rolled sheets .....	207,391	-	213,891	105,504	108,387
Hot rolled strip .....	23,793	-	19,261	569	18,692
Total hot rolled products ...	643,666	-	649,808	150,447	499,361
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,820	-	5,567	...	5,567
Cold reduced sheets and strip, tin mill black plate and tin plate .....	173,206	-	164,434	47,570	116,864
Galvanized sheets .....	44,217	-	41,448	...	41,448
Total cold rolled and coated ..	223,243	-	211,449	47,570	163,879
Total carbon steel .....	866,909	-	861,257	198,017	663,240
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	571	-	571	571	-
For forging and piercing .....	6,474	-	6,474	...	6,474
Alloy plates .....	1,560	-	1,560	...	1,560
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	19,899	-	19,802	468	19,334
Cold finished bars .....	291	-	328	...	328
Wire rods .....	445	-	445	...	445
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	6,328	1,582	7,797	...	7,797
Total alloy steel .....	35,568	1,582	36,977	1,039	35,938

... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Three Months Ended March 1968

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	141,595	-	169,679	123,728	45,951
For forging and piercing .....	60,345	-	57,049	...	57,049
Rails .....	76,480	-	75,476	...	75,476
Wire rods .....	114,832	-	114,664	...	114,664
Structural shapes:					
Heavy, including piling .....	102,566	-	98,070	...	98,070
Bar-sized shapes .....	29,321	-	28,345	...	28,345
Concrete reinforcing bars .....	127,102	-	115,098	...	115,098
Other hot rolled bars:					
Flats .....	22,873	-	28,794 )	14,190	120,594
Other .....	121,072	-	105,990 )		
Tie plates and track material:					
Angle bars .....	1,446	-	1,572	...	1,572
Tie plates .....	11,546	-	16,547	...	16,547
Track spikes .....	3,136	-	3,026	...	3,026
Plates (including plates for pipes and tubes) .....	325,036	-	315,273	...	315,273
Hot rolled sheets .....	592,249	-	598,503	279,055	319,448
Hot rolled strip .....	77,284	-	66,588	2,384	64,204
Total hot rolled products ...	1,806,883	-	1,794,674	419,357	1,375,317
<u>Cold rolled and coated</u>					
Cold finished bars .....	16,566	-	16,760	...	16,760
Cold reduced sheets and strip, tin mill black plate and tin plate .....	487,709	35	501,685	136,120	365,565
Galvanized sheets .....	126,228	-	115,846	...	115,846
Total cold rolled and coated ..	630,503	35	634,291	136,120	498,171
Total carbon steel .....	2,437,386	35	2,428,965	555,477	1,873,488
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	3,048	-	3,048	3,048	-
For forging and piercing .....	17,052	-	17,052	...	17,052
Alloy plates .....	3,531	-	3,531	...	3,531
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	58,551	-	58,357	726	57,631
Cold finished bars .....	923	-	945	...	945
Wire rods .....	969	-	969	...	969
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	17,537	3,769	24,069	...	24,069
Total alloy steel .....	101,611	3,769	107,971	3,774	104,197

... Figures not appropriate or not applicable.



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		March 1968		Three months ended March 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	67,337	2,274	181,070	5,248
b	Other warehouses .....	7,736	59	19,411	171
6	Automotive and aircraft industries	46,236	11,405	174,797	34,661
7	Agricultural .....	14,922	122	45,854	541
8a	Contractors - Building .....	33,095	-	94,735	24
b	Construction - Public and utility ..	4,245	-	14,124	4
c	Structural steel fabricators .....	65,037	561	173,571	1,098
9	Containers .....	45,216	48	128,213	144
10	Machinery and tools .....	23,046	2,436	61,915	7,354
11	Wire, wire products and fasteners ..	45,763	3,296	128,368	8,100
12	Natural resources and extractive industries .....	13,715	1,161	38,050	7,835
13	Appliances and utensils .....	13,382	147	42,982	615
14	Other metal stamping and pressing ..	35,419	948	90,692	2,340
16	Railway operating .....	30,269	-	83,883	19
17	Railroad cars and locomotives .....	5,306	119	16,175	411
18	Shipbuilding .....	3,017	-	8,873	105
19	Pipes and tubes .....	106,714	3,959	313,600	10,979
20	Miscellaneous .....	5,434	97	13,156	248
	Total domestic shipments .....	565,889	26,632	1,629,469	79,897
5a	Export - For conversion and return .....	-	1,604	-	4,880
5b	Other export (for final sale)				
i	USA .....	73,929	6,462	176,881	15,739
ii	Other countries .....	23,422	1,240	67,138	3,681
	Total domestic and export shipments .....	663,240	35,938	1,873,488	104,197
	Production, (for sale only) .....	866,909	35,568	2,437,386	101,611
	Imports by producers (including conversion) .....	-	1,582	35	3,769
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
.. Figures not available.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
March 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	25	-	14	6,674	1,497	9,977	7,433
b	Other warehouses .....	-	170	-	1,361	326	530	519
6	Automotive and aircraft industries .....	2,036	-	-	403	24	-	13,283
7	Agriculture .....	3	-	10	587	450	-	3,395
8a	Contractors - Building ...	-	20	176	1,146	64	5,504	314
b	Construction - Public and utility .....	-	-	-	385	2	2,278	193
c	Structural steel fabri- cators .....	85	37	137	20,118	3,524	17,273	4,739
9	Containers .....	-	-	-	-	-	-	242
10	Machinery and tools .....	36	172	1,434	1,035	159	417	2,704
11	Wire, wire products and fasteners .....	306	-	37,028	11	23	95	7,774
12	Natural resources and extractive industries ..	278	956	42	429	21	315	8,166
13	Appliances and utensils ..	-	-	-	165	2	67	49
14	Other metal stamping and pressing .....	308	15	251	144	478	8,113	3,407
16	Railway operating .....	-	23,987	-	214	8	12	595
17	Railroad cars and loco- motives .....	1,562	-	-	405	31	-	398
18	Shipbuilding .....	-	7	-	475	-	-	66
19	Pipes and tubes .....	19,679	-	183	-	-	50	18
20	Miscellaneous .....	2,464	-	367	21	45	901	603
Total domestic shipments .....		26,782	25,364	39,642	33,573	6,654	45,532	53,898
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	14,953	4,623	2,895	2,612	2,758	570	7,166
ii	Other countries .....	11,945	-	931	34	-	-	89
Total domestic and exports shipments ..		53,680	29,987	43,468	36,219	9,412	46,102	61,153
Production (for sale only) .....		81,948	21,285	44,333	38,623	11,002	49,676	69,719
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Inventory .....		..	..	..	..	..	..	..

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
March 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
96	10,286	11,863	148	2,267	11,561	7,770	69,611	4a
12	2,032	2,283	57	-	505	-	7,795	b
-	632	28,764	1,981	1,165	7,844	1,509	57,641	6
-	1,349	6,050	289	1,100	1,521	290	15,044	7
8	687	3,156	471	-	4,021	17,528	33,095	8a
-	263	758	-	-	257	109	4,245	b
-	13,918	3,473	422	42	445	1,385	65,598	c
-	82	595	185	-	44,008	152	45,264	9
22	6,348	4,149	563	741	6,748	954	25,482	10
153	330	1,304	110	169	1,508	248	49,059	11
318	1,972	960	-	31	548	840	14,876	12
-	614	1,807	47	82	9,180	1,516	13,529	13
-	4,521	4,847	1,178	257	11,122	1,726	36,367	14
5,032	360	61	-	-	-	-	30,269	16
-	2,102	701	-	3	71	152	5,425	17
-	2,189	158	-	-	-	122	3,017	18
-	60,030	10,996	13,231	27	5,530	929	110,673	19
11	1	85	10	5	870	148	5,531	20
5,652	107,716	82,010	18,692	5,889	105,739	35,378	592,521	
-	-	-	-	-	1,604	-	1,604	5a
-	-	-	-	-	-	-	-	5b
-	6,673	25,794	-	5	8,014	4,328	80,391	i
12	21	583	-	1	9,304	1,742	24,662	ii
5,664	114,410	108,387	18,692	5,895	124,661	41,448	699,178	
6,882	117,963	207,391	23,793	6,111	179,534	44,217	902,477	
-	-	-	-	-	1,582	-	1,582	
..	..	..	..	..	..	..	..	

.. Figures not available.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Three Months Ended March 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	54	29	24	16,619	5,172	23,899	19,899
b	Other warehouses .....	-	247	-	2,783	801	656	908
6	Automotive and aircraft industries .....	8,000	-	-	716	59	-	42,995
7	Agriculture .....	3	-	66	2,019	2,279	3	13,081
8a	Contractors - Building ...	-	20	362	2,876	218	15,467	916
b	Construction - Public and utility .....	-	-	-	475	23	9,595	718
c	Structural steel fabri- cators .....	198	198	579	56,055	10,462	41,065	12,941
9	Containers .....	-	-	-	-	-	-	317
10	Machinery and tools .....	36	175	2,658	2,334	743	956	7,625
11	Wire, wire products and fasteners .....	1,713	-	99,994	13	744	102	21,929
12	Natural resources and extractive industries ..	843	2,236	42	2,350	284	594	26,540
13	Appliances and utensils ..	-	-	-	445	6	219	186
14	Other metal stamping and pressing .....	692	87	387	801	1,472	18,873	8,941
16	Railway operating .....	-	59,750	-	578	194	12	1,298
17	Railroad cars and loco- motives .....	3,652	-	-	1,719	63	-	952
18	Shipbuilding .....	-	7	-	1,259	40	-	284
19	Pipes and tubes .....	48,984	-	350	-	-	75	37
20	Miscellaneous .....	4,718	-	1,407	188	156	1,963	1,581
	Total domestic shipments .....	68,893	62,749	105,869	91,230	22,716	113,479	161,148
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	25,222	6,036	8,201	6,773	5,629	1,517	16,535
ii	Other countries .....	25,937	6,691	1,563	67	-	102	542
	Total domestic and exports shipments ..	120,052	75,476	115,633	98,070	28,345	115,098	178,225
	Production (for sale only) .....	222,040	76,480	115,801	102,566	29,321	127,102	202,496
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	-	-
	Inventory .....	..	..	..	..	..	..	..

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Three Months Ended March 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate (2)	Gal- vanized sheets	Total	SDI No.
248	29,118	29,331	705	6,151	34,560	20,509	186,318	4a
15	5,766	5,810	345	-	2,251	-	19,582	b
-	1,720	102,121	5,429	4,766	38,474	5,178	209,458	6
-	4,119	16,578	572	2,073	4,890	712	46,395	7
8	1,984	9,829	836	33	11,641	50,569	94,759	8a
-	311	2,032	6	-	726	242	14,128	b
15	37,681	7,785	1,566	207	2,402	3,515	174,669	c
-	103	1,402	337	7	125,751	440	128,357	9
26	16,573	10,036	1,990	2,368	21,685	2,064	69,269	10
1,207	1,071	4,356	136	591	4,035	577	136,468	11
436	6,004	2,371	3	80	2,310	1,792	45,885	12
-	1,472	5,470	138	408	30,660	4,593	43,597	13
5	9,438	13,439	1,992	745	32,090	4,070	93,032	14
19,160	2,219	473	74	-	38	106	83,902	16
-	7,696	1,840	-	8	211	445	16,586	17
-	6,845	212	-	67	119	145	8,978	18
-	165,894	41,374	50,049	59	15,643	2,114	324,579	19
12	1	88	26	92	2,650	522	13,404	20
21,132	298,015	254,547	64,204	17,655	330,136	97,593	1,709,366	
-	-	-	-	-	4,880	-	4,880	5a
								5b
1	20,768	61,321	-	41	27,373	13,203	192,620	i
12	21	3,580	-	9	27,245	5,050	70,819	ii
21,145	318,804	319,448	64,204	17,705	389,634	115,846	1,977,685	
16,128	328,567	592,249	77,284	17,489	505,246	126,228	2,538,997	
-	-	-	-	-	3,206	-	3,206	
..	..	..	..	..	..	..	..	

.. Figures not available.





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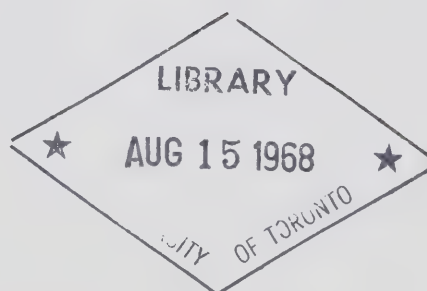
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# PRIMARY IRON AND STEEL

## APRIL 1968

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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	April 1968	Four months ended April 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	14,370	64,030
From foreign mines .....	74,177	271,673
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	674,559	2,472,732
From foreign mines .....	216,939	811,930
From own processing .....	104,974	440,157
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	15,054	61,460
Scrap iron and steel .....	12,370	37,057
Limestone .....	66,150	270,061
Dolomite .....	43,670	157,234
Coke .....	379,619	1,471,733

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

April

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	547,201	2,609	676,119	17,101
Foundry (including silvery pig)(2) .....	45,172	50,452	46,905	18,587
Malleable .....	11,968	24,922	16,135	14,702
Total pig iron .....	604,341	77,983	739,159	50,390
Ferro-alloys .....	14,224	13,916	15,121	17,291
Stocks of pig iron on hand at end of month ....	272,227		436,737	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Four months ended April

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	1,975,898	11,884	2,526,964	35,224
Foundry (including silvery pig)(2) .....	178,862	96,849	184,880	52,055
Malleable .....	54,608	69,689	93,851	53,810
Total pig iron .....	2,209,368	178,422	2,805,695	141,089
Ferro-alloys .....	59,482	61,179	58,321	59,684

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,873,650
Basic oxygen furnace .....	3,550,000
Total ingots .....	12,393,650
Steel castings .....	500,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	April		Four months ended April	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	542,897	630,011	1,983,495	2,414,336(1)
Scrap - Own make .....	266,680	271,684	964,304	1,069,104
Purchased .....	189,228 <sup>r</sup>	147,708	729,818	691,969(1)
Total pig iron and scrap .....	998,805 <sup>r</sup>	1,049,403	3,677,617	4,175,409

(1) Includes revisions to date.

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings

April

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	742,608	5,696	816,709	10,578
Electric .....	110,907 <sup>r</sup>	11,975	117,446	17,777
Basic oxygen furnace .....	(2)	-	(2)	(2)
Total steel ingots .....	853,515 <sup>r</sup>	17,671	934,155	28,355
Continuous cast steel included in above .....	57,064 <sup>r</sup>	x	75,144	x
Alloy steel ingots included in above .....	74,872 <sup>r</sup>	1,511 <sup>r</sup>	58,941	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	-	-
Electric .....	14,023 <sup>r</sup>	12,771 <sup>r</sup>	11,644	12,019
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	14,023 <sup>r</sup>	12,771 <sup>r</sup>	11,644	12,019
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	404	410	500	364
Manganese and abrasion resistant .....	2,993	3,004	1,426	2,022
All other alloys .....	811	633	604	681
Total alloy castings .....	4,208	4,047	2,530	3,067

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

<sup>r</sup> Revised figures.

x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.



TABLE 8. Production and Shipments of Steel Ingots and Castings  
Four months ended April

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	2,724,673	18,161	3,206,646	36,342
Electric .....	429,182 <sup>r</sup>	44,591	440,110	63,236(4)
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	3,153,855 <sup>r</sup>	62,752	3,646,756	99,578(4)
Continuous cast steel included in above .....	203,740 <sup>r</sup>	x	304,374	x
Alloy steel ingots included in above .....	261,367 <sup>r</sup>	5,826 <sup>r</sup>	246,127	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	60,452 <sup>r</sup>	57,194 <sup>r</sup>	50,703	46,061
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	60,452 <sup>r</sup>	57,194 <sup>r</sup>	50,703	46,061
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	1,969	1,745	1,857	1,221
Manganese and abrasion resistant .....	11,375	10,881	7,412	8,235
All other alloys .....	3,373	3,065	2,425	2,321
Total alloy castings .....	16,717	15,691	11,694	11,777

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". (4) Includes revisions to date. <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	April 1968		Four months ended April 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	6	-	22
Export .....	1,334	152	4,158	509
Automotive and aircraft industries .....	360	-	1,822	-
Agricultural (including implement and equipment manufacturers) .....	105	29	384	87
Construction (including public works, public utilities and structural steel fabricators) ...	61	241	292	1,076
Machinery and tools .....	1,938	552	7,094	1,683
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	702	1,504	3,531	5,814
Railway operating .....	3,152	214	10,710	1,115
Railroad cars and locomotives .....	1,086	75	5,406	376
Shipbuilding .....	13	3	108	19
Miscellaneous (including grinding balls and railway car wheels) .....	201	291	779	1,076
Totals .....	8,952	3,067	34,284	11,777

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....					
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
April

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	21,029	20,362	18,905	20,150
Over 4 1/2" outside diameter (excluding tubing and casing) .....	34,464	32,701	55,753	65,669
Mechanical and pressure tubing, casing and oil well tubing .....	11,649	12,089	19,119	17,215
Totals .....	67,142	65,152	93,777	103,034
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	107	108	98	96
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	586	557	374	398
Totals .....	693	665	472	494

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Four months ended April

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	88,378 <sup>r</sup>	83,629 <sup>r</sup>	88,142	80,260
Over 4 1/2" outside diameter (excluding tubing and casing) .....	115,936	108,118	211,579	225,881
Mechanical and pressure tubing, casing and oil well tubing .....	57,906 <sup>r</sup>	62,116 <sup>r</sup>	71,758	74,002
Totals .....	262,220 <sup>r</sup>	253,863 <sup>r</sup>	371,479	380,143
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	520	473	451	432
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	2,403	2,421	1,815	1,921
Totals .....	2,923	2,894	2,266	2,353

(1) Included with "Other".

<sup>r</sup> Revised figures.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
April 1968

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	54,762	-	63,417	49,163	14,254
For forging and piercing .....	18,916	-	19,500	...	19,500
Rails .....	19,815	-	27,267	...	27,267
Wire rods .....	46,195	-	44,149	...	44,149
Structural shapes:					
Heavy, including piling .....	36,384	-	35,181	...	35,181
Bar-sized shapes .....	6,934	-	10,137	...	10,137
Concrete reinforcing bars .....	50,688	-	54,915	...	54,915
Other hot rolled bars:					
Flats .....	9,250	-	9,008 )	5,079	42,843
Other .....	36,565	-	38,914 )		
Tie plates and track material:					
Angle bars .....	3	-	3	...	3
Tie plates .....	5,088	-	6,259	...	6,259
Track spikes .....	1,706	-	1,363	...	1,363
Plates (including plates for pipes and tubes) .....	102,125	-	102,116	...	102,116
Hot rolled sheets .....	223,490	-	233,648	113,561	120,087
Hot rolled strip .....	24,185	-	19,983	318	19,665
Total hot rolled products ...	636,106	-	665,860	168,121	497,739
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,761	-	5,541	...	5,541
Cold reduced sheets and strip, tin mill black plate and tin plate .....	182,321	-	179,167	52,602	126,565
Galvanized sheets .....	50,321	-	44,562	...	44,562
Total cold rolled and coated ..	238,403	-	229,270	52,602	176,668
Total carbon steel .....	874,509	-	895,130	220,723	674,407
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	1,169	-	1,169	1,169	-
For forging and piercing .....	9,802	-	9,802	...	9,802
Alloy plates .....	1,298	-	1,298	...	1,298
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	22,459	-	22,359	161	22,198
Cold finished bars .....	496	-	525	...	525
Wire rods .....	422	-	422	...	422
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,559	2,139	8,546	...	8,546
Total alloy steel .....	41,205	2,139	44,121	1,330	42,791

... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Four months ended April 1968

	Production	Imports	Total of all shipments	Shipments for further processing	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	196,357	-	233,096	172,891	60,205
For forging and piercing .....	79,261	-	76,549	...	76,549
Rails .....	96,295	-	102,743	...	102,743
Wire rods .....	161,027	-	158,813	...	158,813
Structural shapes:					
Heavy, including piling .....	138,950	-	133,251	...	133,251
Bar-sized shapes .....	36,255	-	38,482	...	38,482
Concrete reinforcing bars .....	178,490(1)	-	170,013	...	170,013
Other hot rolled bars:					
Flats .....	32,123	-	37,802 )	19,269	163,437
Other .....	157,637	-	144,904 )		
Tie plates and track material:					
Angle bars .....	1,449	-	1,575	...	1,575
Tie plates .....	16,634	-	22,806	...	22,806
Track spikes .....	4,842	-	4,389	...	4,389
Plates (including plates for pipes and tubes) .....	427,161	-	417,389	...	417,389
Hot rolled sheets .....	815,739	-	832,151	392,616	439,535
Hot rolled strip .....	101,469	-	86,571	2,702	83,869
Total hot rolled products ...	2,443,689(1)	-	2,460,534	587,478	1,873,056
<u>Cold rolled and coated</u>					
Cold finished bars .....	22,327	-	22,301	...	22,301
Cold reduced sheets and strip, tin mill black plate and tin plate .....	670,030	35	680,852	188,722	492,130
Galvanized sheets .....	176,549	-	160,408	...	160,408
Total cold rolled and coated ..	868,906	35	863,561	188,722	674,839
Total carbon steel .....	3,312,595(1)	35	3,324,095	776,200	2,547,895
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,217	-	4,217	4,217	-
For forging and piercing .....	26,854	-	26,854	...	26,854
Alloy plates .....	4,829	-	4,829	...	4,829
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	81,010	-	80,716	887	79,829
Cold finished bars .....	1,419	-	1,470	...	1,470
Wire rods .....	1,391	-	1,391	...	1,391
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	23,096	5,908	32,615	...	32,615
Total alloy steel .....	142,816	5,908	152,092	5,104	146,988

(1) Includes revisions to date.

... Figures not appropriate or not applicable.



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		April 1968		Four months ended April 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	67,949	1,987	249,019	7,235
b	Other warehouses .....	8,856	17	28,267	188
6	Automotive and aircraft industries	56,223	11,334	231,020	45,995
7	Agricultural .....	10,279	249	56,133	790
8a	Contractors - Building .....	34,246	-	128,981	24
b	Construction - Public and utility ..	7,655	-	21,779	4
c	Structural steel fabricators .....	65,476	943	239,047	2,041
9	Containers .....	46,283	28	174,496	172
10	Machinery and tools .....	20,500	2,385	82,415	9,739
11	Wire, wire products and fasteners ..	45,202	2,646	173,570	10,746
12	Natural resources and extractive industries .....	12,875	6,143	50,925	13,978
13	Appliances and utensils .....	15,267	305	58,249	920
14	Other metal stamping and pressing ..	32,723	451	123,415	2,791
16	Railway operating .....	33,987	-	117,870	19
17	Railroad cars and locomotives .....	4,918	41	21,093	452
18	Shipbuilding .....	3,431	6	12,304	111
19	Pipes and tubes .....	92,827	7,240	406,427	18,219
20	Miscellaneous .....	6,253	20	19,409	268
	Total domestic shipments .....	564,950	33,795	2,194,419	113,692
5a	Export - For conversion and return .....	-	3,082	-	7,962
5b	Other export (for final sale)				
i	USA .....	84,477	4,350	261,358	20,089
ii	Other countries .....	24,980	1,564	92,118	5,245
	Total domestic and export shipments .....	674,407	42,791	2,547,895	146,988
	Production, (for sale only) .....	874,509	41,205	3,312,595(2)	142,816
	Imports by producers (including conversion) .....	-	2,139	35	5,908
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request. (2) Includes revisions to date. .. Figures not available.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
April 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	5	70	6	5,391	2,095	13,242	7,021
b	Other warehouses .....	-	123	-	1,159	333	642	604
6	Automotive and aircraft industries .....	4,840	-	-	221	17	-	15,603
7	Agriculture .....	-	-	3	546	424	-	3,302
8a	Contractors - Building ...	-	4	52	838	105	5,790	369
b	Construction - Public and utility .....	-	-	-	2,350	2	3,372	1,059
c	Structural steel fabri- cators .....	135	12	294	18,309	4,106	18,941	4,148
9	Containers .....	-	-	-	-	-	-	98
10	Machinery and tools .....	53	-	560	1,014	288	759	2,519
11	Wire, wire products and fasteners .....	520	-	37,480	-	41	21	6,713
12	Natural resources and extractive industries ..	339	1,368	150	281	36	297	12,350
13	Appliances and utensils ..	-	-	-	149	-	-	49
14	Other metal stamping and pressing .....	145	10	173	210	351	9,688	2,331
16	Railway operating .....	-	25,231	-	53	87	-	729
17	Railroad cars and loco- motives .....	1,101	-	-	1,019	41	-	320
18	Shipbuilding .....	-	-	-	537	16	-	43
19	Pipes and tubes .....	17,347	-	-	-	-	-	-
20	Miscellaneous .....	2,695	-	899	33	64	604	495
	Total domestic shipments .....	27,180	26,818	39,617	32,110	8,006	53,356	57,753
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	6,327	449	4,228	2,955	2,131	527	6,985
ii	Other countries .....	10,049	-	726	116	-	1,032	303
	Total domestic and exports shipments ..	43,556	27,267	44,571	35,181	10,137	54,915	65,041
	Production (for sale only) .....	84,649	19,815	46,617	36,384	6,934	50,688	68,274
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	-	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
April 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
14	10,554	10,616	170	2,500	10,206	8,046	69,936	4a
28	2,024	2,880	203	-	877	-	8,873	b
-	540	28,514	2,465	1,724	11,629	2,004	67,557	6
-	1,233	3,388	82	599	836	115	10,528	7
-	546	2,784	180	16	4,048	19,514	34,246	8a
-	279	257	-	-	228	108	7,655	b
1	14,336	2,959	837	48	449	1,844	66,419	c
-	-	703	51	6	45,335	118	46,311	9
5	4,842	3,678	814	786	6,918	649	22,885	10
3	247	1,300	20	130	973	400	47,848	11
112	1,768	940	-	3	521	853	19,018	12
-	760	2,584	77	110	10,263	1,580	15,572	13
1	2,722	4,476	681	111	10,704	1,571	33,174	14
7,295	474	105	-	3	7	3	33,987	16
1	1,145	1,111	-	2	108	111	4,959	17
-	2,723	36	-	-	24	58	3,437	18
-	48,829	14,178	14,046	8	5,148	511	100,067	19
-	84	498	-	14	687	200	6,273	20
7,460	93,106	81,007	19,626	6,060	108,961	37,685	598,745	
-	-	-	-	-	3,082	-	3,082	5a
								5b
165	10,286	38,467	39	6	11,949	4,313	88,827	i
-	22	613	-	-	11,119	2,564	26,544	ii
7,625	103,414	120,087	19,665	6,066	135,111	44,562	717,198	
6,797	103,423	223,490	24,185	6,257	187,880	50,321	915,714	
-	-	-	-	-	2,139	-	2,139	
..	..	..	..	..	..	..	..	

.. Figures not available.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Four months ended April 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	59	99	30	22,010	7,267	37,141	26,920
b	Other warehouses .....	-	370	-	3,942	1,134	1,298	1,512
6	Automotive and aircraft industries .....	12,840	-	-	937	76	-	58,598
7	Agriculture .....	3	-	69	2,565	2,703	3	16,383
8a	Contractors - Building ...	-	24	414	3,714	323	21,257	1,285
b	Construction - Public and utility .....	-	-	-	2,825	25	12,967	1,777
c	Structural steel fabri- cators .....	333	210	873	74,364	14,568	60,006	17,089
9	Containers .....	-	-	-	-	-	-	415
10	Machinery and tools .....	89	175	3,218	3,348	1,031	1,715	10,144
11	Wire, wire products and fasteners .....	2,233	-	137,474	13	785	123	28,642
12	Natural resources and extractive industries ..	1,182	3,604	192	2,631	320	891	38,890
13	Appliances and utensils ..	-	-	-	594	6	219	235
14	Other metal stamping and pressing .....	837	97	560	1,011	1,823	28,561	11,272
16	Railway operating .....	-	84,981	-	631	281	12	2,027
17	Railroad cars and loco- motives .....	4,753	-	-	2,738	104	-	1,272
18	Shipbuilding .....	-	7	-	1,796	56	-	327
19	Pipes and tubes .....	66,331	-	350	-	-	75	37
20	Miscellaneous .....	7,413	-	2,306	221	220	2,567	2,076
Total domestic shipments .....		96,073	89,567	145,486	123,340	30,722	166,835	218,901
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	31,549	6,485	12,429	9,728	7,760	2,044	23,520
ii	Other countries .....	35,986	6,691	2,289	183	-	1,134	845
Total domestic and exports shipments ..		163,608	102,743	160,204	133,251	38,482	170,013	243,266
Production (for sale only) .....		306,689	96,295	162,418	138,950	36,255	178,490(3)	270,770
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Inventory .....		..	..	..	..	..	..	..

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Four months ended April 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
262	39,672	39,947	875	8,651	44,766	28,555	256,254	4a
43	7,790	8,690	548	-	3,128	-	28,455	b
-	2,260	130,635	7,894	6,490	50,103	7,182	277,015	6
-	5,352	19,966	654	2,672	5,726	827	56,923	7
8	2,530	12,613	1,016	49	15,689	70,083	129,005	8a
-	590	2,289	6	-	954	350	21,783	b
16	52,017	10,744	2,403	255	2,851	5,359	241,088	c
-	103	2,105	388	13	171,086	558	174,668	9
31	21,415	13,714	2,804	3,154	28,603	2,713	92,154	10
1,210	1,318	5,656	156	721	5,008	977	184,316	11
548	7,772	3,311	3	83	2,831	2,645	64,903	12
-	2,232	8,054	215	518	40,923	6,173	59,169	13
6	12,160	17,915	2,673	856	42,794	5,641	126,206	14
26,455	2,693	578	74	3	45	109	117,889	16
1	8,841	2,951	-	10	319	556	21,545	17
-	9,568	248	-	67	143	203	12,415	18
-	214,723	55,552	64,095	67	20,791	2,625	424,646	19
12	85	586	26	106	3,337	722	19,677	20
28,592	391,121	335,554	83,830	23,715	439,097	135,278	2,308,111	
-	-	-	-	-	7,962	-	7,962	5a
								5b
166	31,054	99,788	39	47	39,322	17,516	281,447	i
12	43	4,193	-	9	38,364	7,614	97,363	ii
28,770	422,218	439,535	83,869	23,771	524,745	160,408	2,694,883	
22,925	431,990	815,739	101,469	23,746	693,126	176,549	3,455,411(3)	
-	-	-	-	-	5,345	-	5,345	
..	..	..	..	..	..	..	..	

(3) Includes revisions to date.

.. Figures not available.





CATALOGUE No.

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MONTHLY



# PRIMARY IRON AND STEEL

MAY 1968

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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	May 1968	Five months ended May 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	15,273	79,303
From foreign mines .....	71,453	343,126
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	733,258	3,205,990
From foreign mines .....	175,962	987,892
From own processing .....	114,140	554,297
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	19,078	80,538
Scrap iron and steel .....	14,820	51,877
Limestone .....	63,827	333,888
Dolomite .....	43,904	201,138
Coke .....	381,572	1,853,305

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

May				
	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Pig iron</u>				
Basic .....	551,851	4,492	696,798	18,166
Foundry (including silvery pig) (2) .....	44,584	66,854	45,956	40,164
Malleable .....	20,114	17,804	4,841	15,908
Total pig iron .....	616,549	89,150	747,595	74,238
Ferro-alloys .....	16,663	13,840	13,226	12,754
Stocks of pig iron on hand at end of month ....	264,744		441,082	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Five months ended May

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Pig iron</u>				
Basic .....	2,527,749	16,376	3,223,762	53,390
Foundry (including silvery pig) (2) .....	223,446	163,703	230,836	92,219
Malleable .....	74,722	87,493	98,692	69,718
Total pig iron .....	2,825,917	267,572	3,553,290	215,327
Ferro-alloys .....	76,145	75,019	71,547	72,438

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

Annual capacity	
net tons of 2,000 pounds	
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,853,650 <sup>r</sup>
Basic oxygen furnace .....	3,630,000 <sup>r</sup>
Total ingots .....	12,453,650 <sup>r</sup>
Steel castings .....	440,425 <sup>r</sup>
Total ingots and castings .....	12,894,075

<sup>r</sup> Revised figures.



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	May		Five months ended May	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	534,454	663,914	2,517,949	3,078,250
Scrap - Own make .....	299,633	294,807	1,263,937	1,363,911
Purchased .....	199,304	168,026	929,122	859,995
Total pig iron and scrap .....	1,033,391	1,126,747	4,711,008	5,302,156

TABLE 7. Production and Shipments of Steel Ingots and Castings

May				
	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	786,455	18,215	855,140	10,941
Electric .....	104,209	11,392	123,753	27,374
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	890,664	29,607	978,893	38,315
Continuous cast steel included in above .....	59,174	x	84,425	x
Alloy steel ingots included in above .....	48,924	1,387	58,023	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	-	(3)	(3)
Electric .....	13,514	11,898	12,638	12,618
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	13,514	11,898	12,638	12,618
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	506	485 <sup>r</sup>	448	357
Manganese and abrasion resistant .....	2,666	2,678 <sup>r</sup>	2,367	2,228
All other alloys .....	790	713	618	665
Total alloy castings .....	3,962	3,876 <sup>r</sup>	3,433	3,250

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Five months ended May

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	3,511,128	36,376	4,061,786	47,283
Electric .....	533,391	55,983	563,863	90,610
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	4,044,519	92,359	4,625,649	137,893
Continuous cast steel included in above .....	262,914	x	388,799	x
Alloy steel ingots included in above .....	310,291	7,213	304,150	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	73,966	69,092	63,341	58,679
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	73,966	69,092	63,341	58,679
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	2,475	2,230 <sup>r</sup>	2,305	1,578
Manganese and abrasion resistant .....	14,041	13,559 <sup>r</sup>	9,779	10,463
All other alloys .....	4,163	3,778	3,043	2,986
Total alloy castings .....	20,679	19,567 <sup>r</sup>	15,127	15,027

(1) Includes amounts for sale and for own use. (2) Includes with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	May 1968		Five months ended May 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	6	-	28
Export .....	1,019	131	5,177	640
Automotive and aircraft industries .....	446	-	2,268	-
Agricultural (including implement and equipment manufacturers) .....	61	28	445	115
Construction (including public works, public utilities and structural steel fabricators) ...	39	235	331	1,311
Machinery and tools .....	1,631	546	8,725	2,229
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	817	1,514	4,348	7,328
Railway operating .....	3,831	313	14,541	1,428
Railroad cars and locomotives .....	1,280	163	6,686	539
Shipbuilding .....	41	5	149	24
Miscellaneous (including grinding balls and railway car wheels) .....	203	309	982	1,385
Totals .....	9,368	3,250	43,652	15,027

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
net tons of 2,000 pounds					
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March.....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....	747,595	13,226	978,893	12,638	991,531
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings

May

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	26,737	26,419	22,952	24,062
Over 4 1/2" outside diameter (excluding tubing and casing) .....	41,948	40,718	68,318	63,728
Mechanical and pressure tubing, casing and oil well tubing .....	9,831	11,115	19,720	19,861
Totals .....	78,516	78,252	110,990	107,651
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	87	85	115	173
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	464	524	325	561
Totals .....	551	609	440	734

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings

Five months ended May

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	115,115	110,048	111,094	104,322
Over 4 1/2" outside diameter (excluding tubing and casing) .....	157,884	148,836	279,897	289,609
Mechanical and pressure tubing, casing and oil well tubing .....	67,737	73,231	91,478	93,863
Totals .....	340,736	332,115	482,469	487,794
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	607	558	566	605
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	2,867	2,945	2,140	2,482
Totals .....	3,474	3,503	2,706	3,087

(1) Included with "Other".

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
May 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	66,604	-	42,959	32,177	10,782
For forging and piercing .....	23,726	-	23,865	...	23,865
Rails .....	19,719	-	16,172	...	16,172
Wire rods .....	51,511	-	53,060	...	53,060
Structural shapes:					
Heavy, including piling .....	43,960	-	45,289	...	45,289
Bar-sized shapes .....	12,846	-	10,690	...	10,690
Concrete reinforcing bars .....	58,039	-	64,111	...	64,111
Other hot rolled bars:					
Flats .....	10,499	-	10,499	) 4,138	43,913
Other .....	42,752	-	37,552	)	
Tie plates and track material:					
Angle bars .....	367	-	367	...	367
Tie plates .....	5,933	-	7,332	...	7,332
Track spikes .....	1,789	-	1,867	...	1,867
Plates (including plates for pipes and tubes) .....	108,916	-	112,085	...	112,085
Hot rolled sheets .....	173,894	-	89,877	4,259	85,618
Hot rolled strip .....	30,459	-	25,223	75	25,148
Total hot rolled products ...	651,014	-	540,948	40,649	500,299
<u>Cold rolled and coated</u>					
Cold finished bars .....	6,046	-	5,643	...	5,643
Cold reduced sheets and strip, tin mill black plate and tin plate .....	179,169	-	134,771	3,674	131,097
Galvanized sheets .....	54,380	-	53,902	...	53,902
Total cold rolled and coated ..	239,595	-	194,316	3,674	190,642
Total carbon steel .....	890,609	-	735,264	44,323	690,941
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	7	-	-	-	-
For forging and piercing .....	6,576	-	6,576	...	6,576
Alloy plates .....	883	-	883	...	883
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	17,223	-	16,997	...	16,997
Cold finished bars .....	296	-	328	...	328
Wire rods .....	277	-	277	...	277
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,420	2,948	7,950	...	7,950
Total alloy steel .....	30,682	2,948	33,011	...	33,011

(1) Total of all shipments and shipments for further processing have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers interchange-own.  
... Figures not appropriate or not applicable.



TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Five months ended May 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	262,961	-	247,083	176,096	70,987
For forging and piercing .....	102,987	-	100,414	...	100,414
Rails .....	116,014	-	118,915	...	118,915
Wire rods .....	212,538	-	211,873	...	211,873
Structural shapes:					
Heavy, including piling .....	182,910	-	178,540	...	178,540
Bar-sized shapes .....	49,101	-	49,172	...	49,172
Concrete reinforcing bars .....	236,529	-	234,124	...	234,124
Other hot rolled bars:					
Flats .....	42,622	-	46,631	) 23,299	207,350
Other .....	200,389	-	184,018	)	
Tie plates and track material:					
Angle bars .....	1,816	-	1,942	...	1,942
Tie plates .....	22,567	-	30,138	...	30,138
Track spikes .....	6,631	-	6,256	...	6,256
Plates (including plates for pipes and tubes) .....	536,077	-	529,474	...	529,474
Hot rolled sheets .....	989,633	-	546,435	21,282	525,153
Hot rolled strip .....	131,928	-	109,110	93	109,017
Total hot rolled products ...	3,094,703	-	2,594,125	220,770	2,373,355
<u>Cold rolled and coated</u>					
Cold finished bars .....	28,373	-	27,944	...	27,944
Cold reduced sheets and strip, tin mill black plate and tin plate .....	849,199	35	639,913	16,686	623,227
Galvanized sheets .....	230,929	-	214,310	...	214,310
Total cold rolled and coated ..	1,108,501	35	882,167	16,686	865,481
Total carbon steel .....	4,203,204	35	3,476,292	237,456	3,238,836
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,224	-	-	-	-
For forging and piercing .....	33,430	-	33,430	...	33,430
Alloy plates .....	5,712	-	5,712	...	5,712
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	98,233	-	97,703	877	96,826
Cold finished bars .....	1,715	-	1,798	...	1,798
Wire rods .....	1,668	-	1,668	...	1,668
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	28,516	8,856	40,565	...	40,565
Total alloy steel .....	173,498	8,856	180,876	877	179,999

(1) Total of all shipments and shipments for further processing have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers interchange-own.  
... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		May 1968		Five months ended May 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	74,914	1,830	323,933	9,065
b	Other warehouses .....	7,748	115	36,015	303
6	Automotive and aircraft industries	54,559	10,213	285,579	56,208
7	Agricultural .....	8,072	23	64,205	813
8a	Contractors - Building .....	41,362	-	170,343	24
b	Construction - Public and utility ..	8,945	-	30,724	4
c	Structural steel fabricators .....	79,649	481	318,696	2,522
9	Containers .....	48,311	19	222,807	191
10	Machinery and tools .....	20,482	2,634	102,897	12,373
11	Wire, wire products and fasteners ..	52,793	2,358	226,363	13,104
12	Natural resources and extractive industries .....	15,797	1,326	66,722	15,304
13	Appliances and utensils .....	14,226	165	72,475	1,085
14	Other metal stamping and pressing ..	33,488	838	156,903	3,629
16	Railway operating .....	26,058	-	143,928	19
17	Railroad cars and locomotives .....	6,218	19	27,311	471
18	Shipbuilding .....	5,756	115	18,060	226
19	Pipes and tubes .....	107,680	5,134	514,107	23,353
20	Miscellaneous .....	7,441	82	26,850	350
	Total domestic shipments .....	613,499	25,352	2,807,918	139,044
5a	Export - For conversion and return .....	-	2,527	-	10,489
5b	Other export (for final sale)				
i	USA .....	58,169	3,745	319,527	23,834
ii	Other countries .....	19,273	1,387	111,391	6,632
	Total domestic and export shipments .....	690,941	33,011	3,238,836	179,999
	Production, (for sale only) .....	890,609	30,682	4,203,204	173,498
	Imports by producers (including conversion) .....	-	2,948	35	8,856
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
.. Figures not available.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
May 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	1	3	19	7,129	2,020	12,859	8,632
b	Other warehouses .....	-	97	-	1,883	353	188	331
6	Automotive and aircraft industries .....	4,976	-	3	247	37	-	14,981
7	Agriculture .....	-	-	33	543	752	-	2,336
8a	Contractors - Building ...	-	-	246	544	152	8,197	260
b	Construction - Public and utility .....	-	-	-	1,869	10	5,611	409
c	Structural steel fabri- cators .....	86	55	308	22,690	4,866	24,815	4,108
9	Containers .....	-	-	-	-	-	-	6
10	Machinery and tools .....	64	-	739	1,397	412	706	2,630
11	Wire, wire products and fasteners .....	992	-	42,651	74	112	81	7,641
12	Natural resources and extractive industries ..	552	788	-	2,691	146	299	8,212
13	Appliances and utensils ..	-	-	-	25	-	42	55
14	Other metal stamping and pressing .....	240	113	333	698	671	10,149	3,295
16	Railway operating .....	12	14,563	-	732	35	-	363
17	Railroad cars and loco- motives .....	1,591	-	-	440	32	-	136
18	Shipbuilding .....	-	-	-	980	14	-	72
19	Pipes and tubes .....	16,403	-	128	-	-	19	-
20	Miscellaneous .....	4,178	26	699	10	12	535	330
	Total domestic shipments .....	29,095	15,645	45,159	41,952	9,624	63,501	53,797
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	7,678	527	6,319	3,311	1,066	561	6,804
ii	Other countries .....	4,450	-	1,859	26	-	49	309
	Total domestic and exports shipments ..	41,223	16,172	53,337	45,289	10,690	64,111	60,910
	Production (for sale only) .....	96,913	19,719	51,788	43,960	12,846	58,039	70,474
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	-	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
May 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
72	10,982	9,083	196	2,271	13,168	10,309	76,744	4a
4	1,777	2,372	-	-	858	-	7,863	b
-	573	24,890	2,067	1,903	12,793	2,302	64,772	6
-	549	2,276	30	270	1,022	284	8,095	7
14	556	2,767	369	13	4,058	24,186	41,362	8a
-	69	518	-	-	459	-	8,945	b
2	15,382	3,010	960	41	503	3,304	80,130	c
-	-	343	38	-	47,691	252	48,330	9
-	4,913	3,411	571	846	6,717	710	23,116	10
388	250	1,389	-	211	1,129	233	55,151	11
398	1,689	607	-	36	797	908	17,123	12
-	379	1,785	65	123	9,552	2,365	14,391	13
-	2,515	4,043	571	200	9,744	1,754	34,326	14
8,684	1,466	103	-	-	97	3	26,058	16
2	3,968	38	-	3	4	23	6,237	17
-	4,582	183	-	-	26	14	5,871	18
-	52,637	17,286	20,207	32	5,401	701	112,814	19
-	457	168	41	-	851	216	7,523	20
9,564	102,744	74,272	25,115	5,949	114,870	47,564	638,851	
-	-	-	-	-	2,527	-	2,527	5a
-	-	-	-	-	-	-	-	5b
2	10,224	10,166	33	9	11,238	3,976	61,914	i
-	-	1,180	-	13	10,412	2,362	20,660	ii
9,566	112,968	85,618	25,148	5,971	139,047	53,902	723,952	
8,089	109,799	173,894	30,459	6,342	184,589	54,380	921,291	
-	-	-	-	-	2,948	-	2,948	
..	..	..	..	..	..	..	..	

.. Figures not available.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Five months ended May 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	60	102	49	29,139	9,287	50,000	35,552
b	Other warehouses .....	-	467	-	5,825	1,487	1,486	1,843
6	Automotive and aircraft industries .....	17,816	-	3	1,184	113	-	73,579
7	Agriculture .....	3	-	102	3,108	3,455	3	18,719
8a	Contractors - Building ...	-	24	660	4,258	475	29,454	1,545
b	Construction - Public and utility .....	-	-	-	4,694	35	18,578	2,186
c	Structural steel fabri- cators .....	419	265	1,181	97,054	19,434	84,821	21,197
9	Containers .....	-	-	-	-	-	-	421
10	Machinery and tools .....	153	175	3,957	4,745	1,443	2,421	12,774
11	Wire, wire products and fasteners .....	3,225	-	180,125	87	897	204	36,283
12	Natural resources and extractive industries ..	1,734	4,392	192	5,322	466	1,190	47,102
13	Appliances and utensils ..	-	-	-	619	6	261	290
14	Other metal stamping and pressing .....	1,077	210	893	1,709	2,494	38,710	14,567
16	Railway operating .....	12	99,544	-	1,363	316	12	2,390
17	Railroad cars and loco- motives .....	6,344	-	-	3,178	136	-	1,408
18	Shipbuilding .....	-	7	-	2,776	70	-	399
19	Pipes and tubes .....	82,734	-	478	-	-	94	37
20	Miscellaneous .....	11,591	26	3,005	231	232	3,102	2,406
Total domestic shipments .....		125,168	105,212	190,645	165,292	40,346	230,336	272,698
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	39,227	7,012	18,748	13,039	8,826	2,605	30,324
ii	Other countries .....	40,436	6,691	4,148	209	-	1,183	1,154
Total domestic and exports shipments ..		204,831	118,915	213,541	178,540	49,172	234,124	304,176
Production (for sale only) .....		403,602	116,014	214,206	182,910	49,101	236,529	341,244
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	-	-
Inventory .....		..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Five months ended May 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
334	50,654	49,030	1,071	10,922	57,934	38,864	332,998	4a
47	9,567	11,062	548	-	3,986	-	36,318	b
-	2,833	155,525	9,961	8,393	62,896	9,484	341,787	6
-	5,901	22,242	684	2,942	6,748	1,111	65,018	7
22	3,086	15,380	1,385	62	19,747	94,269	170,367	8a
-	659	2,807	6	-	1,413	350	30,728	b
18	67,399	13,754	3,363	296	3,354	8,663	321,218	c
-	103	2,448	426	13	218,777	810	222,998	9
31	26,328	17,125	3,375	4,000	35,320	3,423	115,270	10
1,598	1,568	7,045	156	932	6,137	1,210	239,467a	11
946	9,461	3,918	3	119	3,628	3,553	82,026	12
-	2,611	9,839	280	641	50,475	8,538	73,560	13
6	14,675	21,958	3,244	1,056	52,538	7,395	160,532	14
35,139	4,159	681	74	3	142	112	143,947	16
3	12,809	2,989	-	13	323	579	27,782	17
-	14,150	431	-	67	169	217	18,286	18
-	267,360	72,838	84,302	99	26,192	3,326	537,460	19
12	542	754	67	106	4,188	938	27,200	20
38,156	493,865	409,826	108,945	29,664	553,967	182,842	2,946,962	
-	-	-	-	-	10,489	-	10,489	5a
168	41,278	109,954	72	56	50,560	21,492	343,361	i
12	43	5,373	-	22	48,776	9,976	118,023	ii
38,336	535,186	525,153	109,017	29,742	663,792	214,310	3,418,835	
31,014	541,789	989,633	131,928	30,088	877,715	230,929	4,376,702	
-	-	-	-	-	8,293	-	8,293	
..	..	..	..	..	..	..	..	

.. Figures not available.



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# PRIMARY IRON AND STEEL

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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	June 1968	Six months ended June 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	27,251	106,554
From foreign mines .....	76,661	419,787
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	703,547	3,909,537
From foreign mines .....	124,451	1,112,343
From own processing .....	117,730	672,027
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	18,504	99,042
Scrap iron and steel .....	12,601	64,478
Limestone .....	62,318	396,206
Dolomite .....	38,814	239,952
Coke .....	363,047	2,216,352

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).



TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
June

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	494,913	4,432	651,346	15,058
Foundry (including silvery pig)(2) .....	37,535	22,739	47,770	52,802
Malleable .....	18,912	16,512	8,988	19,443
Total pig iron .....	551,360	43,683	708,104	87,303
Ferro-alloys .....	12,062	14,735	11,982	15,584
Stocks of pig iron on hand at end of month ....	283,315		426,287	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Six months ended June

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	3,022,662	20,808	3,875,108	68,448
Foundry (including silvery pig)(2) .....	260,981	186,442	278,606	145,021
Malleable .....	93,634	104,005	107,680	89,161
Total pig iron .....	3,377,277	311,255	4,261,394	302,630
Ferro-alloys .....	88,207	89,754	83,529	88,022

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,853,650
Basic oxygen furnace .....	3,630,000
Total ingots .....	12,453,650
Steel castings .....	440,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	June		Six months ended June	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	475,126	627,096	2,993,075	3,705,346
Scrap - Own make .....	265,779	286,796	1,529,716	1,650,707
Purchased .....	165,380	165,944	1,094,502	1,025,939
Total pig iron and scrap .....	906,285	1,079,836	5,617,293	6,381,992

TABLE 7. Production and Shipments of Steel Ingots and Castings

	June			
	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	685,310	8,175	812,332	18,545
Electric .....	94,665	11,791	125,901	17,721
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	779,975	19,966	938,233	36,266
Continuous cast steel included in above .....	48,251	x	76,982	x
Alloy steel ingots included in above .....	52,531	1,224	62,029	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	11,698	12,460	10,821	12,492
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	11,698	12,460	10,821	12,492
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	405	432	396	269
Manganese and abrasion resistant .....	2,746	2,792	1,659	1,740
All other alloys .....	380	336	478	611
Total alloy castings .....	3,531	3,560	2,533	2,620

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings

Six months ended June

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	4,196,438	44,551	4,874,118	65,828
Electric .....	628,056	67,774	689,764	108,331
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	4,824,494	112,325	5,563,882	174,159
Continuous cast steel included in above .....	311,165	x	465,781	x
Alloy steel ingots included in above .....	362,822	8,437	366,179	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	85,664	81,552	74,162	71,171
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	85,664	81,552	74,162	71,171
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	2,880	2,662 <sup>r</sup>	2,701	1,847
Manganese and abrasion resistant .....	16,787	16,351 <sup>r</sup>	11,438	12,203
All other alloys .....	4,543	4,114	3,521	3,597
Total alloy castings .....	24,210	23,127 <sup>r</sup>	17,660	17,647

(1) Includes amount for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". x Confidential to meet secrecy requirements of the Statistics Act. <sup>r</sup>Revised figures.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	June 1968		Six months ended June 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	3	-	31
Export .....	1,087	70	6,264	710
Automotive and aircraft industries .....	397	-	2,665	-
Agricultural (including implement and equipment manufacturers) .....	64	28	509	143
Construction (including public works, public utilities and structural steel fabricators) ...	40	191	371	1,502
Machinery and tools .....	1,910	633	10,635	2,862
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,034	1,088	5,382	8,416
Railway operating .....	4,414	247	18,955	1,675
Railroad cars and locomotives .....	732	116	7,418	655
Shipbuilding .....	37	3	186	27
Miscellaneous (including grinding balls and railway car wheels) .....	157	241	1,139	1,626
Totals .....	9,872	2,620	53,524	17,647

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
	net tons of 2,000 pounds				
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....	747,595	13,226	978,893	12,638	991,531
June .....	708,104	11,982	938,233	10,821	949,054
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					



TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
June

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	30,079	23,836	21,136	19,636
Over 4 1/2" outside diameter (excluding tubing and casing) .....	29,090	30,487	71,446	69,466
Mechanical and pressure tubing, casing and oil well tubing .....	9,956	10,771	17,196	13,761
Totals .....	69,125	65,094	109,778	102,863
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	197	181	152	228
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	505	586	361	461
Totals .....	702	767	513	689

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Six months ended June

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	145,194	133,884	132,230	123,958
Over 4 1/2" outside diameter (excluding tubing and casing) .....	186,974	179,323	351,343	359,075
Mechanical and pressure tubing, casing and oil well tubing .....	77,693	84,002	108,674	107,624
Totals .....	409,861	397,209	592,247	590,657
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	804	739	718	833
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	3,372	3,531	2,501	2,943
Totals .....	4,176	4,270	3,219	3,776

(1) Included with "Other".



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
June 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	59,456	-	57,032	29,616	27,416
For forging and piercing .....	20,016	-	22,150	...	22,150
Rails .....	17,983	-	17,497	...	17,497
Wire rods .....	44,300	-	44,496	...	44,496
Structural shapes:					
Heavy, including piling .....	36,526	-	37,232	...	37,232
Bar-sized shapes .....	13,523	-	9,727	...	9,727
Concrete reinforcing bars .....	55,790	180	60,858	...	60,858
Other hot rolled bars:					
Flats .....	3,432	-	10,189 )	1,616	41,516
Other .....	37,082	-	32,943 )		
Tie plates and track material:					
Angle bars .....	1,344	-	1,033	...	1,033
Tie plates .....	4,621	-	4,418	...	4,418
Track spikes .....	472	-	690	...	690
Plates (including plates for pipes and tubes) .....	92,443	-	90,560	...	90,560
Hot rolled sheets .....	90,292	-	90,891	4,391	86,500
Hot rolled strip .....	25,463	-	22,975	102	22,873
Total hot rolled products ...	502,743	180	502,691	35,725	466,966
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,304	-	5,116	...	5,116
Cold reduced sheets and strip, tin mill black plate and tin plate .....	129,646	-	129,552	2,979	126,573
Galvanized sheets .....	51,894	-	53,540	...	53,540
Total cold rolled and coated ..	186,844	-	188,208	2,979	185,229
Total carbon steel .....	689,587	180	690,899	38,704	652,195
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	-	-	-	-	-
For forging and piercing .....	5,244	-	5,244	...	5,244
Alloy plates .....	1,331	-	1,331	...	1,331
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	18,980	-	18,949	33	18,916
Cold finished bars .....	404	-	395	...	395
Wire rods .....	203	-	203	...	203
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	7,272	3,532	10,513	...	10,513
Total alloy steel .....	33,434	3,532	36,635	33	36,602

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers interchange-own.  
... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Six months ended June 1968

	Production	Imports	Total of all shipments (1)	Shipments for further processing (1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	322,417	-	304,115	205,712	98,403
For forging and piercing .....	123,003	-	122,564	...	122,564
Rails .....	133,997	-	136,412	...	136,412
Wire rods .....	256,838	-	256,369	...	256,369
Structural shapes:					
Heavy, including piling .....	219,436	-	215,772	...	215,772
Bar-sized shapes .....	62,624	-	58,899	...	58,899
Concrete reinforcing bars .....	292,319	180	294,982	...	294,982
Other hot rolled bars:					
Flats .....	46,054	-	56,820	) 24,915	248,866
Other .....	237,471	-	216,961		
Tie plates and track material:					
Angle bars .....	3,160	-	2,975	...	2,975
Tie plates .....	27,188	-	34,556	...	34,556
Track spikes .....	7,103	-	6,946	...	6,946
Plates (including plates for pipes and tubes) .....	628,520	-	620,034	...	620,034
Hot rolled sheets .....	1,079,925	-	637,326	25,673	611,653
Hot rolled strip .....	157,391	-	132,085	195	131,890
Total hot rolled products ...	3,597,446	180	3,096,816	256,495	2,840,321
<u>Cold rolled and coated</u>					
Cold finished bars .....	33,677	-	33,060	...	33,060
Cold reduced sheets and strip, tin mill black plate and tin plate .....	978,845	35	769,465	19,665	749,800
Galvanized sheets .....	282,823	-	267,850	...	267,850
Total cold rolled and coated ..	1,295,345	35	1,070,375	19,665	1,050,710
Total carbon steel .....	4,892,791	215	4,167,191	276,160	3,891,031
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,224	-	-	-	-
For forging and piercing .....	38,674	-	38,674	...	38,674
Alloy plates .....	7,043	-	7,043	...	7,043
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	117,213	-	116,652	910	115,742
Cold finished bars .....	2,119	-	2,193	...	2,193
Wire rods .....	1,871	-	1,871	...	1,871
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	35,788	12,388	51,078	...	51,078
Total alloy steel .....	206,932	12,388	217,511	910	216,601

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers interchange-own.  
... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		June 1968		Six months ended June 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	69,167	3,162	393,100	12,227
b	Other warehouses .....	6,067	81	42,082	384
6	Automotive and aircraft industries	32,579	10,162	318,158	66,370
7	Agricultural .....	5,342	286	69,547	1,099
8a	Contractors - Building .....	43,528	16	213,871	40
b	Construction - Public and utility ..	4,832	40	35,556	44
c	Structural steel fabricators .....	74,167	1,135	392,863	3,657
9	Containers .....	46,093	15	268,900	206
10	Machinery and tools .....	17,802	2,821	120,699	15,194
11	Wire, wire products and fasteners ..	46,815	3,575	273,178	16,679
12	Natural resources and extractive industries .....	13,076	1,644	79,798	16,948
13	Appliances and utensils .....	12,099	203	84,574	1,288
14	Other metal stamping and pressing ..	31,067	782	187,970	4,411
16	Railway operating .....	23,664	90	167,592	109
17	Railroad cars and locomotives .....	4,457	6	31,768	477
18	Shipbuilding .....	5,558	75	23,618	301
19	Pipes and tubes .....	95,398	2,689	609,505	26,042
20	Miscellaneous .....	5,669	104	32,519	454
	Total domestic shipments .....	537,380	26,886	3,345,298	165,930
5a	Export - For conversion and return .....	-	3,419	-	13,908
5b	Other export (for final sale)				
i	USA .....	80,309	4,801	399,836	28,635
ii	Other countries .....	34,506	1,496	145,897	8,128
	Total domestic and export shipments .....	652,195	36,602	3,891,031	216,601
	Production, (for sale only) .....	689,587	33,434	4,892,791	206,932
	Imports by producers (including conversion) .....	180	3,532	215	12,388
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
.. Figures not available.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
June 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	29	35	-	5,806	1,775	14,542	8,673
b	Other warehouses .....	-	28	-	1,091	142	86	263
6	Automotive and aircraft industries .....	3,183	-	75	56	23	-	13,563
7	Agriculture .....	-	-	-	281	223	-	1,597
8a	Contractors - Building ...	-	-	14	494	129	10,002	258
b	Construction - Public and utility .....	-	13	-	133	-	2,779	694
c	Structural steel fabri- cators .....	81	66	321	22,282	4,811	23,588	4,440
9	Containers .....	-	-	-	-	-	-	113
10	Machinery and tools .....	141	20	759	922	137	474	2,956
11	Wire, wire products and fasteners .....	851	-	38,476	-	64	198	7,766
12	Natural resources and extractive industries ..	425	946	32	325	70	250	9,111
13	Appliances and utensils ..	-	-	-	273	-	-	51
14	Other metal stamping and pressing .....	122	31	173	392	546	8,439	2,948
16	Railway operating .....	-	15,990	-	364	24	-	389
17	Railroad cars and loco- motives .....	2,159	22	-	179	-	-	174
18	Shipbuilding .....	-	-	-	707	-	-	100
19	Pipes and tubes .....	15,068	-	-	-	-	-	1
20	Miscellaneous .....	3,103	-	491	156	73	176	455
Total domestic shipments .....		25,162	17,151	40,341	33,461	8,017	60,534	53,552
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	17,998	346	4,358	3,625	1,640	326	6,496
ii	Other countries .....	11,650	-	-	146	70	(- 2)	384
Total domestic and exports shipments ..		54,810	17,497	44,699	37,232	9,727	60,858	60,432
Production (for sale only) .....		84,716	17,983	44,503	36,526	13,523	55,790	59,494
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	180	-
Inventory .....		..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

June 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
79	9,018	8,662	622	2,183	13,409	7,496	72,329	4a
21	2,257	1,124	175	-	961	-	6,148	b
-	587	12,838	1,206	1,616	8,269	1,325	42,741	6
-	317	1,659	-	235	1,246	70	5,628	7
20	380	2,907	486	27	4,281	24,546	43,544	8a
-	496	226	-	-	365	166	4,872	b
1	12,350	2,733	796	65	629	3,139	75,302	c
-	446	489	48	-	44,923	89	46,108	9
2	3,999	2,929	634	736	6,368	546	20,623	10
32	135	1,266	53	162	1,117	270	50,390	11
249	1,528	741	7	14	379	643	14,720	12
-	397	1,919	31	167	7,891	1,573	12,302	13
5	2,283	4,154	436	236	10,594	1,490	31,849	14
5,577	841	458	-	-	-	111	23,754	16
-	1,479	425	-	-	16	9	4,463	17
-	4,392	333	-	-	-	101	5,633	18
-	39,210	20,307	18,287	43	4,435	736	98,087	19
146	91	15	-	-	805	262	5,773	20
6,132	80,206	63,185	22,781	5,484	105,688	42,572	564,266	
-	-	-	-	-	3,419	-	3,419	5a
								5b
9	11,685	13,566	92	12	18,337	6,620	85,110	i
-	-	9,749	-	15	9,642	4,348	36,002	ii
6,141	91,891	86,500	22,873	5,511	137,086	53,540	688,797	
6,437	93,774	90,292	25,463	5,708	136,918	51,894	723,021	
-	-	-	-	-	3,532	-	3,712	
..	..	..	..	..	..	..	..	

.. Figures not available.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Six months ended June 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	89	137	49	34,945	11,062	64,542	44,225
b	Other warehouses .....	-	495	-	6,916	1,629	1,572	2,106
6	Automotive and aircraft industries .....	20,999	-	78	1,240	136	-	87,142
7	Agriculture .....	3	-	102	3,389	3,678	3	20,316
8a	Contractors - Building ...	-	24	674	4,752	604	39,456	1,803
b	Construction - Public and utility .....	-	13	-	4,827	35	21,357	2,880
c	Structural steel fabri- cators .....	500	331	1,502	119,336	24,245	108,409	25,637
9	Containers .....	-	-	-	-	-	-	534
10	Machinery and tools .....	294	195	4,716	5,667	1,580	2,895	15,730
11	Wire, wire products and fasteners .....	4,076	-	218,601	87	961	402	44,049
12	Natural resources and extractive industries ..	2,159	5,338	224	5,647	536	1,440	56,213
13	Appliances and utensils ..	-	-	-	892	6	261	341
14	Other metal stamping and pressing .....	1,199	241	1,066	2,101	3,040	47,149	17,515
16	Railway operating .....	12	115,534	-	1,727	340	12	2,779
17	Railroad cars and loco- motives .....	8,503	22	-	3,357	136	-	1,582
18	Shipbuilding .....	-	7	-	3,483	70	-	499
19	Pipes and tubes .....	97,802	-	478	-	-	94	38
20	Miscellaneous .....	14,694	26	3,496	387	305	3,278	2,861
Total domestic shipments .....		150,330	122,363	230,986	198,753	48,363	290,870	326,250
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	57,225	7,358	23,106	16,664	10,466	2,931	36,820
ii	Other countries .....	52,086	6,691	4,148	355	70	1,181	1,538
Total domestic and exports shipments ..		259,641	136,412	258,240	215,772	58,899	294,982	364,608
Production (for sale only) .....		488,318	133,997	258,709	219,436	62,624	292,319	400,738
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	180	-
Inventory .....		..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Six months ended June 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
413	59,672	57,692	1,693	13,105	71,343	46,360	405,327	4a
68	11,824	12,186	723	-	4,947	-	42,466	b
-	3,420	168,363	11,167	10,009	71,165	10,809	384,528	6
-	6,218	23,901	684	3,177	7,994	1,181	70,646	7
42	3,466	18,287	1,871	89	24,028	118,815	213,911	8a
-	1,155	3,033	6	-	1,778	516	35,600	b
19	79,749	16,487	4,159	361	3,983	11,802	396,520	c
-	549	2,937	474	13	263,700	899	269,106	9
33	30,327	20,054	4,009	4,736	41,688	3,969	135,893	10
1,630	1,703	8,311	209	1,094	7,254	1,480	289,857	11
1,195	10,989	4,659	10	133	4,007	4,196	96,746	12
-	3,008	11,758	311	808	58,366	10,111	85,862	13
11	16,958	26,112	3,680	1,292	63,132	8,885	192,381	14
40,716	5,000	1,139	74	3	142	223	167,701	16
3	14,288	3,414	-	13	339	588	32,245	17
-	18,542	764	-	67	169	318	23,919	18
-	306,570	93,145	102,589	142	30,627	4,062	635,547	19
158	633	769	67	106	4,993	1,200	32,973	20
44,288	574,071	473,011	131,726	35,148	659,655	225,414	3,511,228	
-	-	-	-	-	13,908	-	13,908	5a
								5b
177	52,963	123,520	164	68	68,897	28,112	428,471	i
12	43	15,122	-	37	58,418	14,324	154,025	ii
44,477	627,077	611,653	131,890	35,253	800,878	267,850	4,107,632	
37,451	635,563	1,079,925	157,391	35,796	1,014,633	282,823	5,099,723	
-	-	-	-	-	11,825	-	12,005	
..	..	..	..	..	..	..	..	

.. Figures not available.



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# PRIMARY IRON AND STEEL

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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	July 1968	Seven months ended July 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	37,220	143,774
From foreign mines .....	86,094	505,881
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	709,793	4,619,330
From foreign mines .....	140,805	1,253,148
From own processing .....	130,734	802,761
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	19,970	119,012
Scrap iron and steel .....	8,529	73,007
Limestone .....	64,398	460,604
Dolomite .....	41,976	281,928
Coke .....	384,425	2,600,777

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

July

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	535,280	4,175	642,898	17,547
Foundry (including silvery pig)(2) .....	45,539	48,469	47,371	59,928
Malleable .....	33,470	28,294	43,903	14,297
Total pig iron .....	614,289	80,938	734,172	91,772
Ferro-alloys .....	10,966	11,806	11,853	10,400
Stocks of pig iron on hand at end of month ....	283,539		422,819	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Seven months ended July

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	3,557,942	24,983	4,518,006	85,995
Foundry (including silvery pig)(2) .....	306,520	234,911	325,977	204,949
Malleable .....	127,104	132,299	151,583	103,458
Total pig iron .....	3,991,566	392,193	4,995,566	394,402
Ferro-alloys .....	99,173	101,560	95,382	98,422

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,853,650
Basic oxygen furnace .....	3,630,000
Total ingots .....	12,453,650
Steel castings .....	440,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	July		Seven months ended July	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	522,156	625,472	3,515,231 <sup>r</sup>	4,330,818
Scrap - Own make .....	241,233	254,427	1,770,949 <sup>r</sup>	1,905,134
Purchased .....	135,490	161,364	1,229,992	1,187,303
Total pig iron and scrap .....	898,879	1,041,263	6,516,172 <sup>r</sup>	7,423,255

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings

July				
	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	713,308 <sup>r</sup>	15,953	796,930	17,910
Electric .....	67,834	7,518	101,484	15,664
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	781,142 <sup>r</sup>	23,471	898,414	33,574
Continuous cast steel included in above .....	44,291 <sup>r</sup>	x	72,391	x
Alloy steel ingots included in above .....	53,101	x	51,780	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	6,912	9,233	7,067	7,616
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	6,912	9,233	7,067	7,616
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	262	362	349	223
Manganese and abrasion resistant .....	2,326	2,414	1,375	1,461
All other alloys .....	317	324	423	437
Total alloy castings .....	2,905	3,100	2,147	2,121

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act. Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Seven months ended July

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	4,909,746 <sup>r</sup>	60,504	5,671,048	83,738
Electric .....	695,890	75,292	791,248	123,995
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	5,605,636 <sup>r</sup>	135,796	6,462,296	207,733
Continuous cast steel included in above .....	355,456 <sup>r</sup>	x	538,172	x
Alloy steel ingots included in above .....	415,923	x	417,959	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	92,576	90,785	81,229	78,787
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	92,576	90,785	81,229	78,787
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	3,142	3,024	3,050	2,070
Manganese and abrasion resistant .....	19,113	18,765	12,813	13,664
All other alloys .....	4,860	4,438	3,944	4,034
Total alloy castings .....	27,115	26,227	19,807	19,768

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	July 1968		Seven months ended July 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	3	-	34
Export .....	670	116	6,934	826
Automotive and aircraft industries .....	424	-	3,089	-
Agricultural (including implement and equipment manufacturers) .....	101	10	610	153
Construction (including public works, public utilities and structural steel fabricators) ...	31	207	402	1,709
Machinery and tools .....	1,448	341	12,083	3,203
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	752	964	6,134	9,380
Railway operating .....	1,411	159	20,366	1,834
Railroad cars and locomotives .....	495	46	7,913	701
Shipbuilding .....	16	6	202	33
Miscellaneous (including grinding balls and railway car wheels) .....	147	269	1,286	1,895
Totals .....	5,495	2,121	59,019	19,768

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March.....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....	747,595	13,226	978,893	12,638	991,531
June .....	708,104	11,982	933,233	10,821	949,054
July .....	734,172	11,853	898,414	7,067	905,481
August .....					
September .....					
October .....					
November .....					
December .....					
Totals .....					



TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
July

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	18,648 <sup>r</sup>	20,255 <sup>r</sup>	20,240	22,305
Over 4 1/2" outside diameter (excluding tubing and casing) .....	30,911 <sup>r</sup>	29,802 <sup>r</sup>	67,242	53,034
Mechanical and pressure tubing, casing and oil well tubing .....	9,949 <sup>r</sup>	11,832 <sup>r</sup>	16,662	16,643
Totals .....	59,508 <sup>r</sup>	61,889 <sup>r</sup>	104,144	91,982
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	x	95	158	209
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	442	537	386	500
Totals .....	x	632	544	709

(1) Included with "Other". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Seven months ended July

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	163,842 <sup>r</sup>	154,139 <sup>r</sup>	152,470	146,263
Over 4 1/2" outside diameter (excluding tubing and casing) .....	217,885 <sup>r</sup>	209,125 <sup>r</sup>	418,585	412,109
Mechanical and pressure tubing, casing and oil well tubing .....	87,642 <sup>r</sup>	95,834 <sup>r</sup>	125,336	124,267
Totals .....	469,369 <sup>r</sup>	459,098 <sup>r</sup>	696,391	682,639
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	x	834	876	1,042
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	3,814	4,068	2,887	3,443
Totals .....	x	4,902	3,763	4,485

(1) Included with "Other". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
July 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	59,094	-	48,477	32,750	15,727
For forging and piercing .....	18,624	-	14,630	...	14,630
Rails .....	14,053	-	15,433	...	15,433
Wire rods .....	40,769	-	42,195	...	42,195
Structural shapes:					
Heavy, including piling .....	38,913	-	40,487	...	40,487
Bar-sized shapes .....	8,966	-	13,763	...	13,763
Concrete reinforcing bars .....	59,769	180	71,815	...	71,815
Other hot rolled bars:					
Flats .....	2,903	-	6,031 )	1,147	35,642
Other .....	28,597	-	30,758 )		
Tie plates and track material:					
Angle bars .....	377	-	565	...	565
Tie plates .....	4,046	-	4,198	...	4,198
Track spikes .....	820	-	1,017	...	1,017
Plates (including plates for pipes and tubes) .....	85,750	-	89,628	...	89,628
Hot rolled sheets .....	94,714	-	103,860	3,893	99,967
Hot rolled strip .....	19,228	-	18,323	...	18,323
Total hot rolled products ...	476,623	180	501,180	37,790	463,390
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,634	-	5,530	...	5,530
Cold reduced sheets and strip, tin mill black plate and tin plate .....	128,274	-	129,536	2,836	126,700
Galvanized sheets .....	56,215	-	58,601	...	58,601
Total cold rolled and coated ..	190,123	-	193,667	2,836	190,831
Total carbon steel .....	666,746	180	694,847	40,626	654,221
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	-	-	-	-	-
For forging and piercing .....	5,582	-	5,582	...	5,582
Alloy plates .....	1,812	-	1,812	...	1,812
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	20,303	-	20,203	35	20,168
Cold finished bars .....	231	-	283	...	283
Wire rods .....	220	-	220	...	220
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,867	2,292	7,507	...	7,507
Total alloy steel .....	33,065	2,292	35,607	35	35,572

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. ... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Seven months ended July 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	381,511	-	352,592	238,462	114,130
For forging and piercing .....	141,627	-	137,194	...	137,194
Rails .....	148,050	-	151,845	...	151,845
Wire rods .....	297,607	-	298,564	...	298,564
Structural shapes:					
Heavy, including piling .....	258,349	-	256,259	...	256,259
Bar-sized shapes .....	71,590	-	72,662	...	72,662
Concrete reinforcing bars .....	352,088	350	366,797	...	366,797
Other hot rolled bars:					
Flats .....	48,957	-	62,851 )	26,062	284,508
Other .....	266,068	-	247,719 )		
Tie plates and track material:					
Angle bars .....	3,537	-	3,540	...	3,540
Tie plates .....	31,234	-	38,754	...	38,754
Track spikes .....	7,923	-	7,963	...	7,963
Plates (including plates for pipes and tubes) .....	714,270	-	709,662	...	709,662
Hot rolled sheets .....	1,174,639	-	741,186	29,566	711,620
Hot rolled strip .....	176,619	-	150,408	195	150,213
Total hot rolled products ...	4,074,069	360	3,597,996	294,285	3,303,711
<u>Cold rolled and coated</u>					
Cold finished bars .....	39,311	-	38,590	...	38,590
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,107,119	35	899,001	22,501	876,500
Galvanized sheets .....	339,038	-	326,451	...	326,451
Total cold rolled and coated ..	1,485,468	35	1,264,042	22,501	1,241,541
Total carbon steel .....	5,559,537	395	4,862,038	316,786	4,545,252
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,224	-	-	-	-
For forging and piercing .....	44,256	-	44,256	...	44,256
Alloy plates .....	8,855	-	8,855	...	8,855
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	137,516	-	136,855	945	135,910
Cold finished bars .....	2,400	-	2,476	...	2,476
Wire rods .....	2,091	-	2,091	...	2,091
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	40,655	14,680	58,585	...	58,585
Total alloy steel .....	239,997	14,680	253,118	945	252,173

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. ... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		July 1968		Seven months ended July 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	70,619	1,776	463,719	14,003
b	Other warehouses .....	6,025	11	48,107	395
6	Automotive and aircraft industries	40,659	10,281	358,817	76,651
7	Agricultural .....	11,332	272	80,879	1,371
8a	Contractors - Building .....	53,371	-	267,242	40
b	Construction - Public and utility ..	4,890	-	40,446	44
c	Structural steel fabricators .....	83,411	1,634	476,274	5,291
9	Containers .....	47,688	2	316,588	208
10	Machinery and tools .....	14,761	1,797	135,460	16,991
11	Wire, wire products and fasteners ..	44,738	1,383	317,916	18,062
12	Natural resources and extractive industries .....	10,910	4,478	90,708	21,426
13	Appliances and utensils .....	10,380	170	94,954	1,458
14	Other metal stamping and pressing ..	25,459	603	213,429	5,014
16	Railway operating .....	20,201	-	187,793	109
17	Railroad cars and locomotives .....	2,476	-	34,244	477
18	Shipbuilding .....	3,011	63	26,629	364
19	Pipes and tubes .....	94,153	4,803	703,658	30,845
20	Miscellaneous .....	5,699	68	38,218	522
	Total domestic shipments .....	549,783	27,341	3,895,081	193,271
5a	Export - For conversion and return .....	-	3,110	-	17,018
5b	Other export (for final sale)				
i	USA .....	89,162	3,946	488,998	32,581
ii	Other countries .....	15,276	1,175	161,173	9,303
	Total domestic and export shipments .....	654,221	35,572	4,545,252	252,173
	Production, (for sale only) .....	666,746	33,065	5,559,537	239,997
	Imports by producers (including conversion) .....	180	2,292	395	14,680
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
.. Figures not available.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
July 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	3	70	-	7,067	2,215	15,834	6,678
b	Other warehouses .....	-	51	-	1,139	197	360	150
6	Automotive and aircraft industries .....	341	-	-	150	11	38	13,351
7	Agriculture .....	-	-	-	229	386	-	2,790
8a	Contractors - Building ...	-	72	42	1,181	137	12,511	397
b	Construction - Public and utility .....	-	4	-	82	-	3,846	246
c	Structural steel fabri- cators .....	65	47	565	21,708	7,897	28,388	3,314
9	Containers .....	-	-	-	-	-	-	93
10	Machinery and tools .....	37	44	544	1,048	270	328	1,994
11	Wire, wire products and fasteners .....	955	-	35,056	1	143	198	5,817
12	Natural resources and extractive industries ..	220	698	87	227	4	469	10,614
13	Appliances and utensils ..	-	9	-	140	-	-	52
14	Other metal stamping and pressing .....	58	46	5	242	522	8,645	1,409
16	Railway operating .....	5	13,553	-	133	65	-	308
17	Railroad cars and loco- motives .....	921	17	-	89	20	-	27
18	Shipbuilding .....	-	26	-	348	-	-	206
19	Pipes and tubes .....	14,086	-	256	-	24	10	-
20	Miscellaneous .....	2,302	-	558	120	53	662	508
	Total domestic shipments .....	18,993	14,637	37,113	33,904	11,944	71,289	47,954
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	13,020	796	5,302	6,583	1,819	389	7,635
ii	Other countries .....	3,926	-	-	-	-	137	221
	Total domestic and exports shipments ..	35,939	15,433	42,415	40,487	13,763	71,815	55,810
	Production (for sale only) .....	83,300	14,053	40,989	38,913	8,966	59,769	51,803
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	180	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
July 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
94	8,434	10,740	272	2,356	9,217	9,415	72,395	4a
10	1,813	1,381	102	-	833	-	6,036	b
-	481	23,830	1,008	904	9,128	1,698	50,940	6
-	1,024	3,042	203	1,436	2,331	163	11,604	7
3	324	3,189	343	-	4,951	30,221	53,371	8a
-	210	439	-	-	63	-	4,890	b
8	14,330	3,071	877	104	856	3,815	85,045	c
-	174	312	80	7	46,945	79	47,690	9
-	2,699	3,439	484	555	4,495	621	16,558	10
4	456	1,367	34	115	1,798	177	46,121	11
140	1,362	435	5	11	426	690	15,388	12
-	312	1,283	111	107	6,846	1,690	10,550	13
1	1,890	2,828	513	106	8,301	1,496	26,062	14
5,377	319	395	-	-	3	43	20,201	16
-	1,262	77	-	-	63	-	2,476	17
-	2,432	40	-	-	-	22	3,074	18
-	41,076	25,232	14,269	27	3,435	541	98,956	19
-	9	964	22	-	490	79	5,767	20
5,637	78,607	82,064	18,323	5,728	100,181	50,750	577,124	
-	-	-	-	-	3,110	-	3,110	5a
131	12,833	14,233	-	73	23,305	6,989	93,108	i
12	-	3,670	-	12	7,611	862	16,451	ii
5,780	91,440	99,967	18,323	5,813	134,207	58,601	689,793	
5,243	87,562	94,714	19,228	5,915	133,141	56,215	699,811	
-	-	-	-	-	2,292	-	2,472	
..	..	..	..	..	..	..	..	

.. Figures not available.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Seven months ended July 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	92	207	49	42,012	13,277	80,376	50,903
b	Other warehouses .....	-	546	-	8,055	1,826	1,932	2,256
6	Automotive and aircraft industries .....	21,340	-	78	1,390	147	38	100,493
7	Agriculture .....	3	-	102	3,618	4,064	3	23,106
8a	Contractors - Building ...	-	96	716	5,933	741	51,967	2,200
b	Construction - Public and utility .....	-	17	-	4,909	35	25,203	3,126
c	Structural steel fabri- cators .....	565	378	2,067	141,044	32,142	136,797	28,951
9	Containers .....	-	-	-	-	-	-	627
10	Machinery and tools .....	331	239	5,260	6,715	1,850	3,223	17,724
11	Wire, wire products and fasteners .....	5,031	-	253,657	88	1,104	600	49,866
12	Natural resources and extractive industries ..	2,379	6,036	311	5,874	540	1,909	66,827
13	Appliances and utensils ..	-	9	-	1,032	6	261	393
14	Other metal stamping and pressing .....	1,257	287	1,071	2,343	3,562	55,794	18,924
16	Railway operating .....	17	129,087	-	1,860	405	12	3,087
17	Railroad cars and loco- motives .....	9,424	39	-	3,446	156	-	1,609
18	Shipbuilding .....	-	33	-	3,831	70	-	705
19	Pipes and tubes .....	111,888	-	734	-	24	104	38
20	Miscellaneous .....	16,996	26	4,054	507	358	3,940	3,369
	Total domestic shipments .....	169,323	137,000	268,099	232,657	60,307	362,159	374,204
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	70,245	8,154	28,408	23,247	12,285	3,320	44,455
ii	Other countries .....	56,012	6,691	4,148	355	70	1,318	1,759
	Total domestic and exports shipments ..	295,580	151,845	300,655	256,259	72,662	366,797	420,418
	Production (for sale only) .....	571,618	148,050	299,698	258,349	71,590	352,088	452,541
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	360	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Seven months ended July 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
507	68,106	68,432	1,965	15,461	80,560	55,775	477,722	4a
78	13,637	13,567	825	-	5,780	-	48,502	b
-	3,901	192,193	12,175	10,913	80,293	12,507	435,468	6
-	7,242	26,943	887	4,613	10,325	1,344	82,250	7
45	3,790	21,476	2,214	89	28,979	149,036	267,282	8a
-	1,365	3,472	6	-	1,841	516	40,490	b
27	94,079	19,558	5,036	465	4,839	15,617	481,565	c
-	723	3,249	554	20	310,645	978	316,796	9
33	33,026	23,493	4,493	5,291	46,183	4,590	152,451	10
1,634	2,159	9,678	243	1,209	9,052	1,657	335,978	11
1,335	12,351	5,094	15	144	4,433	4,886	112,134	12
-	3,320	13,041	422	915	65,212	11,801	96,412	13
12	18,848	28,940	4,193	1,398	71,433	10,381	218,443	14
46,093	5,319	1,534	74	3	145	266	187,902	16
3	15,550	3,491	-	13	402	588	34,721	17
-	20,974	804	-	67	169	340	26,993	18
-	347,646	118,377	116,858	169	34,062	4,603	734,503	19
158	642	1,733	89	106	5,483	1,279	38,740	20
49,925	652,678	555,075	150,049	40,876	759,836	276,164	4,088,352	
-	-	-	-	-	17,018	-	17,018	5a
-	-	-	-	-	-	-	-	5b
308	65,796	137,753	164	141	92,202	35,101	521,579	i
24	43	18,792	-	49	66,029	15,186	170,476	ii
50,257	718,517	711,620	150,213	41,066	935,085	326,451	4,797,425	
42,694	723,125	1,174,639	176,619	41,711	1,147,774	339,038	5,799,534	
-	-	-	-	-	14,715(3)	-	15,075(3)	
..	..	..	..	..	..	..	..	

(3) Includes revisions to date.

.. Figures not available.



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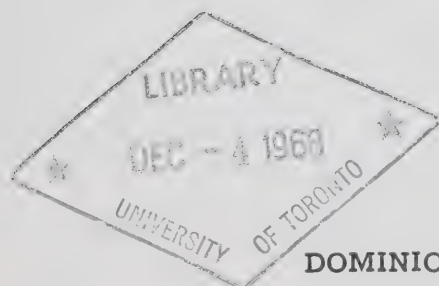
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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	Net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown-out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	August 1968	Eight months ended August 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	48,715	192,489
From foreign mines .....	61,683	567,564
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	680,565	5,299,895
From foreign mines .....	87,360	1,340,508
From own processing .....	132,242	935,003
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	18,735	137,747
Scrap iron and steel .....	10,818	83,825
Limestone .....	61,625	522,229
Dolomite .....	34,654	316,582
Coke .....	354,284	2,955,061

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

August

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	542,721	3,349	583,847	14,797
Foundry (including silvery pig)(2) .....	48,034	37,840	47,346	74,406
Malleable .....	39,254	26,931	42,315	21,943
Total pig iron .....	630,009	68,120	673,508	111,146
Ferro-alloys .....	12,155	13,466	12,087	15,750
Stocks of pig iron on hand at end of month ....	291,328		376,866	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Eight Months Ended August

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	4,100,663	28,332	5,101,853	100,792
Foundry (including silvery pig)(2) .....	354,554	272,751	373,323	279,355
Malleable .....	166,358	159,230	193,898	125,401
Total pig iron .....	4,621,575	460,313	5,669,074	505,548
Ferro-alloys .....	111,328	115,026	107,469	114,172

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,853,650
Basic oxygen furnace .....	3,630,000
Total ingots .....	12,453,650
Steel castings .....	440,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	August		Eight months ended August	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	539,587	594,058	4,054,818	4,924,876
Scrap - Own make .....	242,571	263,177	2,013,520	2,168,311
Purchased .....	164,179	152,772	1,394,171	1,340,075
Total pig iron and scrap .....	946,337	1,010,007	7,462,509	8,433,262

TABLE 7. Production and Shipments of Steel Ingots and Castings  
August

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	731,724 <sup>r</sup>	15,601 <sup>r</sup>	769,864	9,433
Electric .....	87,919	8,689	114,460	24,351
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	819,643 <sup>r</sup>	24,290 <sup>r</sup>	884,324	33,784
Continuous cast steel included in above .....	55,653 <sup>r</sup>	x	73,830	x
Alloy steel ingots included in above .....	59,292	x	68,980	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	-	-
Electric .....	8,377	10,629	9,255	8,342
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	8,377	10,629	9,255	8,342
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	265	247	323	193
Manganese and abrasion resistant .....	1,829	1,862	1,407	1,299
All other alloys .....	507	472	583	495
Total alloy castings .....	2,601	2,581	2,313	1,987

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

<sup>r</sup> Revised figures.

x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Eight Months Ended August

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u>				
<u>(including continuous cast steel)</u>				
Basic open hearth .....	5,641,470 <sup>r</sup>	76,105	6,440,912	93,171
Electric .....	783,809	83,981	905,708	148,346
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	6,425,279 <sup>r</sup>	160,086	7,346,620	241,517
Continuous cast steel included in above .....	411,109 <sup>r</sup>	x	612,002	x
Alloy steel ingots included in above .....	475,215	x	486,939	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	100,953	101,414	90,484	87,129
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	100,953	101,414	90,484	87,129
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	3,407	3,271	3,373	2,263
Manganese and abrasion resistant .....	20,942	20,627	14,220	14,963
All other alloys .....	5,367	4,910	4,527	4,529
Total alloy castings .....	29,716	28,808	22,120	21,755

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	August 1968		Eight months ended August 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	-	-	34
Export .....	991	51	7,925	877
Automotive and aircraft industries .....	376	-	3,465	-
Agricultural (including implement and equipment manufacturers) .....	60	25	670	178
Construction (including public works, public utilities and structural steel fabricators) ...	39	213	441	1,922
Machinery and tools .....	1,544	402	13,627	3,605
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	752	800	6,886	10,180
Railway operating .....	1,683	176	22,049	2,010
Railroad cars and locomotives .....	722	56	8,635	757
Shipbuilding .....	18	5	220	38
Miscellaneous (including grinding balls and railway car wheels) .....	170	259	1,456	2,154
Totals .....	6,355	1,987	65,374	21,755

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		Total steel
			Ingots	Castings	
	net tons of 2,000 pounds				
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....	747,595	13,226	978,893	12,638	991,531
June .....	708,104	11,982	938,233	10,821	949,054
July .....	734,172	11,853	898,414	7,067	905,481
August .....	673,508	12,087	884,324	9,255	893,579
September .....					
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
August

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	23,294 <sup>r</sup>	20,144 <sup>r</sup>	25,079	24,152
Over 4 1/2" outside diameter (excluding tubing and casing) .....	31,333 <sup>r</sup>	29,451 <sup>r</sup>	39,638	43,839
Mechanical and pressure tubing, casing and oil well tubing .....	16,401 <sup>r</sup>	15,910 <sup>r</sup>	15,224	17,169
Totals .....	71,028 <sup>r</sup>	65,505 <sup>r</sup>	79,941	85,160
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	117	115	160	207
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	374	394	497	629
Totals .....	491	509	657	836

(1) Included with "Other". <sup>r</sup> Revised figures.

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Eight Months Ended August

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	187,136 <sup>r</sup>	174,283 <sup>r</sup>	177,549	170,415
Over 4 1/2" outside diameter (excluding tubing and casing) .....	249,218 <sup>r</sup>	238,576 <sup>r</sup>	458,223	455,948
Mechanical and pressure tubing, casing and oil well tubing .....	104,043 <sup>r</sup>	111,744 <sup>r</sup>	140,560	141,436
Totals .....	540,397 <sup>r</sup>	524,603 <sup>r</sup>	776,332	767,799
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	x	949	1,036	1,249
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	4,188	4,462	3,384	4,072
Totals .....	x	5,411	4,420	5,321

(1) Included with "Other". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products

August 1968

	Production	Imports	Total of all shipments (1)	Shipments for further processing (1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	49,537	-	36,015	19,932	16,083
For forging and piercing .....	22,471	-	20,137	...	20,137
Rails .....	22,879	-	23,173	...	23,173
Wire rods .....	37,686	-	37,337	...	37,337
Structural shapes:					
Heavy, including piling .....	37,705	-	40,259	...	40,259
Bar-sized shapes .....	7,182	-	7,524	...	7,524
Concrete reinforcing bars .....	77,682	-	76,052	...	76,052
Other hot rolled bars:					
Flats .....	3,459	-	10,418 )	1,852	40,678
Other .....	38,071	-	32,112 )		
Tie plates and track material:					
Angle bars .....	-	-	145	...	145
Tie plates .....	2,300	-	2,406	...	2,406
Track spikes .....	182	-	432	...	432
Plates (including plates for pipes and tubes) .....	74,899	-	70,694	...	70,694
Hot rolled sheets .....	97,697	-	100,887	4,664	96,223
Hot rolled strip .....	22,259	-	23,160	...	23,160
Total hot rolled products ...	494,009	-	480,751	26,448	454,303
<u>Cold rolled and coated</u>					
Cold finished bars .....	4,479	-	4,395	...	4,395
Cold reduced sheets and strip, tin mill black plate and tin plate .....	134,980	-	130,159	3,707	126,452
Galvanized sheets .....	54,142	-	55,811	...	55,811
Total cold rolled and coated ..	193,601	-	190,365	3,707	186,658
Total carbon steel .....	687,610	-	671,116	30,155	640,961
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	-	-	-	-	-
For forging and piercing .....	5,079	-	5,079	...	5,079
Alloy plates .....	1,415	-	1,415	...	1,415
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	24,485	-	24,191	50	24,141
Cold finished bars .....	487	-	419	...	419
Wire rods .....	511	-	511	...	511
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,101	3,831	7,348	...	7,348
Total alloy steel .....	37,078	3,831	38,963	50	38,913

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. ... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products

Eight Months Ended August 1968

	Production	Imports	Total of all shipments (1)	Shipments for further processing (1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	431,048	-	388,607	258,394	130,213
For forging and piercing .....	164,098	-	157,331	...	157,331
Rails .....	170,929	-	175,018	...	175,018
Wire rods .....	335,293	-	335,901	...	335,901
Structural shapes:					
Heavy, including piling .....	296,054	-	296,518	...	296,518
Bar-sized shapes .....	78,772	-	80,186	...	80,186
Concrete reinforcing bars .....	429,770	360	442,849	...	442,849
Other hot rolled bars:					
Flats .....	52,416	-	73,269 )	27,914	325,186
Other .....	304,139	-	279,831 )		
Tie plates and track material:					
Angle bars .....	3,537	-	3,685	...	3,685
Tie plates .....	33,534	-	41,160	...	41,160
Track spikes .....	8,105	-	8,395	...	8,395
Plates (including plates for pipes and tubes) .....	789,169	-	780,356	...	780,356
Hot rolled sheets .....	1,272,336	-	842,073	34,230	807,843
Hot rolled strip .....	198,878	-	173,568	195	173,373
Total hot rolled products ...	4,568,078	360	4,078,747	320,733	3,758,014
<u>Cold rolled and coated</u>					
Cold finished bars .....	43,790	-	42,985	...	42,985
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,242,099	35	1,029,160	26,208	1,002,952
Galvanized sheets .....	393,180	-	382,262	...	382,262
Total cold rolled and coated ..	1,679,069	35	1,454,407	26,208	1,428,199
Total carbon steel .....	6,247,147	395	5,533,154	346,941	5,186,213
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,224	-	-	-	-
For forging and piercing .....	49,335	-	49,335	...	49,335
Alloy plates .....	10,270	-	10,270	...	10,270
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	162,001	-	161,046	995	160,051
Cold finished bars .....	2,887	-	2,895	...	2,895
Wire rods .....	2,602	-	2,602	...	2,602
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	45,756	18,511	65,933	...	65,933
Total alloy steel .....	277,075	18,511	292,081	995	291,086

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. ... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		August 1968		Eight months ended August 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	71,870	1,719	535,589	15,722
b	Other warehouses .....	6,380	22	54,487	417
6	Automotive and aircraft industries	53,081	11,519	411,898	88,170
7	Agricultural .....	10,323	404	91,202	1,775
8a	Contractors - Building .....	49,366	6	316,608	46
b	Construction - Public and utility ..	5,251	-	45,697	44
c	Structural steel fabricators .....	93,542	801	569,816	6,092
9	Containers .....	40,257	8	356,845	216
10	Machinery and tools .....	18,988	2,261	154,448	19,252
11	Wire, wire products and fasteners ..	42,218	4,263	360,134	22,325
12	Natural resources and extractive industries .....	10,789	5,251	101,497	26,677
13	Appliances and utensils .....	15,522	203	110,476	1,661
14	Other metal stamping and pressing ..	29,708	609	243,137	5,623
16	Railway operating .....	19,589	-	207,382	109
17	Railroad cars and locomotives .....	4,586	179	38,830	656
18	Shipbuilding .....	3,533	2	30,162	366
19	Pipes and tubes .....	63,912	3,555	767,570	34,400
20	Miscellaneous .....	7,251	78	45,469	600
	Total domestic shipments .....	546,166	30,880	4,441,247	224,151
5a	Export - For conversion and return .....	-	2,348	-	19,366
5b	Other export (for final sale)				
i	USA .....	62,876	4,883	551,874	37,464
ii	Other countries .....	31,919	802	193,092	10,105
	Total domestic and export shipments .....	640,961	38,913	5,186,213	291,086
	Production, (for sale only) .....	687,610	37,078	6,247,147	277,075
	Imports by producers (including conversion) .....	-	3,831	395	18,511
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
.. Figures not available.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
August 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	-	15	9	6,706	1,134	14,999	9,624
b	Other warehouses .....	-	57	-	1,481	84	295	240
6	Automotive and aircraft industries .....	1,007	-	72	167	-	19	13,779
7	Agriculture .....	-	-	11	440	363	-	3,465
8a	Contractors - Building ...	65	-	165	1,165	34	11,524	415
b	Construction - Public and utility .....	-	-	-	515	-	3,324	20
c	Structural steel fabri- cators .....	155	57	695	21,934	4,778	33,827	6,528
9	Containers .....	-	-	-	-	-	-	-
10	Machinery and tools .....	153	21	612	746	210	868	2,377
11	Wire, wire products and fasteners .....	1,547	-	33,013	-	34	180	8,615
12	Natural resources and extractive industries ..	201	1,669	-	197	8	597	10,799
13	Appliances and utensils ..	-	4	-	51	-	-	42
14	Other metal stamping and pressing .....	214	152	116	117	331	9,075	1,848
16	Railway operating .....	4	15,611	-	117	14	-	283
17	Railroad cars and loco- motives .....	1,914	-	-	334	-	-	237
18	Shipbuilding .....	-	-	-	264	9	-	113
19	Pipes and tubes .....	11,654	-	-	-	-	72	-
20	Miscellaneous .....	5,379	-	492	1	1	586	274
	Total domestic shipments .....	22,293	17,586	35,185	34,235	7,000	75,366	58,659
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	7,789	5,587	2,004	6,024	524	558	5,975
ii	Other countries .....	11,217	-	659	-	-	128	185
	Total domestic and exports shipments ..	41,299	23,173	37,848	40,259	7,524	76,052	64,819
	Production (for sale only) .....	77,087	22,879	38,197	37,705	7,182	77,682	66,015
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	-	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product

August 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
75	9,263	8,405	164	1,376	13,320	8,499	73,589	4a
-	1,626	1,463	307	-	849	-	6,402	b
-	423	30,328	1,611	1,673	14,113	1,408	64,600	6
-	1,265	3,304	57	407	1,389	26	10,727	7
-	663	3,479	72	24	4,095	27,671	49,372	8a
-	172	1,072	-	-	148	-	5,251	b
-	17,033	3,507	1,166	50	579	4,034	94,343	c
-	-	329	100	-	39,671	165	40,265	9
5	4,732	3,752	597	576	5,908	692	21,249	10
-	189	1,076	4	143	1,480	200	46,481	11
215	822	569	-	29	381	553	16,040	12
-	254	1,847	63	192	11,388	1,884	15,725	13
-	2,450	3,761	330	200	9,779	1,944	30,317	14
2,650	876	8	-	1	4	21	19,589	16
-	1,807	381	-	3	89	-	4,765	17
-	3,033	70	-	-	5	41	3,535	18
-	17,476	14,089	18,663	69	4,852	592	67,467	19
8	-	33	26	-	456	73	7,329	20
2,953	62,084	77,473	23,160	4,743	108,506	47,803	577,046	
-	-	-	-	-	2,348	-	2,348	5a
-	-	-	-	-	-	-	-	5b
19	10,025	9,647	-	61	13,955	5,591	67,759	i
11	-	9,103	-	10	8,991	2,417	32,721	ii
2,983	72,109	96,223	23,160	4,814	133,800	55,811	679,874	
2,482	76,314	97,697	22,259	4,966	140 081	54,142	724,688	
-	-	-	-	-	3,831	-	3,831	
..	..	..	..	..	..	..	..	

.. Figures not available.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Eight Months Ended August 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	92	222	58	48,718	14,411	95,375	60,527
b	Other warehouses .....	-	603	-	9,536	1,910	2,227	2,496
6	Automotive and aircraft industries .....	22,347	-	150	1,557	147	57	114,272
7	Agriculture .....	3	-	113	4,058	4,427	3	26,571
8a	Contractors - Building ...	65	96	881	7,098	775	63,491	2,615
b	Construction - Public and utility .....	-	17	-	5,424	35	28,527	3,146
c	Structural steel fabri- cators .....	720	435	2,762	162,978	36,920	170,624	35,479
9	Containers .....	-	-	-	-	-	-	627
10	Machinery and tools .....	484	260	5,872	7,461	2,060	4,091	20,101
11	Wire, wire products and fasteners .....	6,578	-	286,670	88	1,138	780	58,481
12	Natural resources and extractive industries ..	2,580	7,705	311	6,071	548	2,506	77,626
13	Appliances and utensils ..	-	13	-	1,083	6	261	435
14	Other metal stamping and pressing .....	1,471	439	1,187	2,460	3,893	64,869	20,772
16	Railway operating .....	21	144,698	-	1,977	419	12	3,370
17	Railroad cars and loco- motives .....	11,338	39	-	3,780	156	-	1,846
18	Shipbuilding .....	-	33	-	4,095	79	-	818
19	Pipes and tubes .....	123,542	-	734	-	24	176	38
20	Miscellaneous .....	22,375	26	4,546	508	359	4,526	3,643
Total domestic shipments .....		191,616	154,586	303,284	266,892	67,307	437,525	432,863
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	78,034	13,741	30,412	29,271	12,809	3,878	50,430
ii	Other countries .....	67,229	6,691	4,807	355	70	1,446	1,944
Total domestic and exports shipments ..		336,879	175,018	338,503	296,518	80,186	442,849	485,237
Production (for sale only) .....		648,705	170,929	337,895	296,054	78,772	429,770	518,556
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	360	-
Inventory .....		..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Eight Months Ended August 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate (2)	Gal- vanized sheets	Total	SDI No.
582	77,369	76,837	2,129	16,837	93,880	64,274	551,311	4a
78	15,263	15,030	1,132	-	6,629	-	54,904	b
-	4,324	222,521	13,786	12,586	94,406	13,915	500,068	6
-	8,507	30,247	944	5,020	11,714	1,370	92,977	7
45	4,453	24,955	2,286	113	33,074	176,707	316,654	8a
-	1,537	4,544	6	-	1,989	516	45,741	b
27	111,112	23,065	6,202	515	5,418	19,651	575,908	c
-	723	3,578	654	20	350,316	1,143	357,061	9
38	37,758	27,245	5,090	5,867	52,091	5,282	173,700	10
1,634	2,348	10,754	247	1,352	10,532	1,857	382,459	11
1,550	13,173	5,663	15	173	4,814	5,439	128,174	12
-	3,574	14,888	485	1,107	76,600	13,685	112,137	13
12	21,298	32,701	4,523	1,598	81,212	12,325	248,760	14
48,743	6,195	1,542	74	4	149	287	207,491	16
3	17,357	3,872	-	16	491	588	39,486	17
-	24,007	874	-	67	174	381	30,528	18
-	365,122	132,466	135,521	238	38,914	5,195	801,970	19
166	642	1,766	115	106	5,939	1,352	46,069	20
52,878	714,762	632,548	173,209	45,619	868,342	323,967	4,665,398	
-	-	-	-	-	19,366	-	19,366	5a
								5b
327	75,821	147,400	164	202	106,157	40,692	589,338	i
35	43	27,895	-	59	75,020	17,603	203,197	ii
53,240	790,626	807,843	173,373	45,880	1,068,885	382,262	5,477,299	
45,176	799,439	1,272,336	198,878	46,677	1,287,855	393,180	6,524,222	
-	-	-	-	-	18,546	-	18,906	
..	..	..	..	..	..	..	..	

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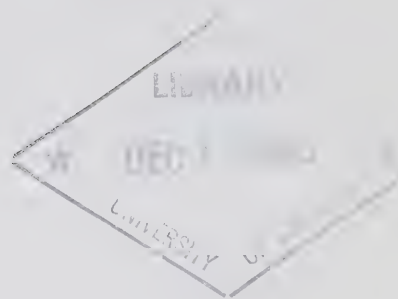
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# PRIMARY IRON AND STEEL

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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown-out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	September 1968	Nine months ended September 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	39,732	232,221
From foreign mines .....	35,193	602,757
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	642,046	5,941,941
From foreign mines .....	77,709	1,418,217
From own processing .....	110,847	1,045,850
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	16,470	154,217
Scrap iron and steel .....	11,765	95,590
Limestone .....	59,825	582,054
Dolomite .....	34,754	351,336
Coke .....	325,616	3,280,677

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
September

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Pig iron</u>				
Basic .....	504,475	5,192	553,242	6,565
Foundry (including silvery pig)(2) .....	44,137	42,938	46,573	48,559
Malleable .....	18,944	16,770	27,915	25,865
Total pig iron .....	567,556	64,900	627,730	80,989
Ferro-alloys .....	12,941	11,041	14,973	14,725
Stocks of pig iron on hand at end of month ....	280,889		333,004	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Nine Months Ended September

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
net tons of 2,000 pounds				
<u>Pig iron</u>				
Basic .....	4,605,138	33,524	5,655,095	107,357
Foundry (including silvery pig)(2) .....	398,691	315,689	419,896	327,914
Malleable .....	185,302	176,000	221,813	151,266
Total pig iron .....	5,189,131	525,213	6,296,804	586,537
Ferro-alloys .....	124,269	126,067	122,442	128,897

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

Annual capacity	
net tons of 2,000 pounds	
Ingot - Basic open hearth .....	6,970,000
Electric .....	1,853,650
Basic oxygen furnace .....	3,630,000
Total ingots .....	12,453,650
Steel castings .....	440,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	September		Nine months ended September	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	498,398	582,276	4,553,216	5,507,152
Scrap - Own make .....	217,986 <sup>r</sup>	258,009	2,231,506 <sup>r</sup>	2,426,320
Purchased .....	139,446 <sup>r</sup>	149,938	1,533,617 <sup>r</sup>	1,490,013
Total pig iron and scrap .....	855,830 <sup>r</sup>	990,223	8,318,339 <sup>r</sup>	9,423,485

<sup>r</sup> Revised figures.

TABLE 7. Production and Shipments of Steel Ingots and Castings  
September

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	670,004	25,833	736,562	15,584
Electric .....	77,191 <sup>r</sup>	11,219	117,781	18,847
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	747,195 <sup>r</sup>	37,052	854,343	34,431
Continuous cast steel included in above .....	51,771	x	78,907	x
Alloy steel ingots included in above .....	50,867	x	66,115	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	(3)	(3)
Electric .....	8,939	10,923	11,159	10,553
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	8,939	10,923	11,159	10,553
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	317	272	407	226
Manganese and abrasion resistant .....	2,286	2,249	1,508	1,551
All other alloys .....	337	375	522	675
Total alloy castings .....	2,940	2,896	2,437	2,452

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.



TABLE 8. Production and Shipments of Steel Ingots and Castings  
Nine Months Ended September

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	6,311,474	101,938	7,177,474	108,755
Electric .....	861,000 <sup>r</sup>	95,200	1,023,489	167,193
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	7,172,474 <sup>r</sup>	197,138	8,200,963	275,948
Continuous cast steel included in above .....	462,880	x	690,909	x
Alloy steel ingots included in above .....	526,082	x	553,054	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	109,892	112,337	101,643	97,682
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	109,892	112,337	101,643	97,682
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	3,724	3,543	3,780	2,489
Manganese and abrasion resistant .....	23,228	22,876	15,728	16,514
All other alloys .....	5,704	5,285	5,049	5,204
Total alloy castings .....	32,656	31,704	24,557	24,207

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	September 1968		Nine months ended September 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	-	-	34
Export .....	416	121	8,341	998
Automotive and aircraft industries .....	450	-	3,915	-
Agricultural (including implement and equipment manufacturers) .....	58	17	728	195
Construction (including public works, public utilities and structural steel fabricators) ...	75	195	516	2,117
Machinery and tools .....	1,803	515	15,430	4,120
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	989	1,052	7,875	11,232
Railway operating .....	3,213	202	25,262	2,212
Railroad cars and locomotives .....	896	56	9,531	813
Shipbuilding .....	33	5	253	43
Miscellaneous (including grinding balls and railway car wheels) .....	168	289	1,624	2,443
Totals .....	8,101	2,452	73,475	24,207

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....	747,595	13,226	978,893	12,638	991,531
June .....	708,104	11,982	933,233	10,821	949,054
July .....	734,172	11,853	898,414	7,067	905,481
August .....	673,508	12,087	884,324	9,255	893,579
September .....	627,730	14,973	854,343	11,159	865,502
October .....					
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
September

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	20,172 <sup>r</sup>	22,147 <sup>r</sup>	25,390	24,722
Over 4 1/2" outside diameter (excluding tubing and casing) .....	16,396 <sup>r</sup>	17,054 <sup>r</sup>	17,619	15,742
Mechanical and pressure tubing, casing and oil well tubing .....	16,117 <sup>r</sup>	14,918 <sup>r</sup>	18,234	18,904
Totals .....	52,685 <sup>r</sup>	54,119 <sup>r</sup>	61,243	59,368
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	124	108	95	129
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	449	460	556	551
Totals .....	573	568	651	680

(1) Included with "Other". <sup>r</sup> Revised figures.

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Nine Months Ended September

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	207,308 <sup>r</sup>	196,430 <sup>r</sup>	202,939	195,137
Over 4 1/2" outside diameter (excluding tubing and casing) .....	265,614 <sup>r</sup>	255,630 <sup>r</sup>	475,842	471,690
Mechanical and pressure tubing, casing and oil well tubing .....	120,160 <sup>r</sup>	126,662 <sup>r</sup>	158,794	160,340
Totals .....	593,082 <sup>r</sup>	578,722 <sup>r</sup>	837,575	827,167
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	x	1,057	1,131	1,378
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	4,637	4,922	3,940	4,623
Totals .....	x	5,979	5,071	6,001

(1) Included with "Other". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
September 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	21,249	-	48,054	18,675	29,379
For forging and piercing .....	21,450	-	22,267	...	22,267
Rails .....	15,796	-	18,588	...	18,588
Wire rods .....	44,006	-	44,464	...	44,464
Structural shapes:					
Heavy, including piling .....	40,898	-	41,332	...	41,332
Bar-sized shapes .....	16,555	-	12,735	...	12,735
Concrete reinforcing bars .....	60,676	203	63,935	...	63,935
Other hot rolled bars:					
Flats .....	3,268	-	7,507 )	1,532	39,039
Other .....	30,573	-	33,064 )		
Tie plates and track material:					
Angle bars .....	-	-	61	...	61
Tie plates .....	236	-	461	...	461
Track spikes .....	264	-	249	...	249
Plates (including plates for pipes and tubes) .....	62,253	-	60,196	...	60,196
Hot rolled sheets .....	101,392	-	103,791	4,469	99,322
Hot rolled strip .....	22,920	-	21,068	...	21,068
Total hot rolled products ...	441,536	203	477,772	24,676	453,096
<u>Cold rolled and coated</u>					
Cold finished bars .....	6,100	-	6,302	...	6,302
Cold reduced sheets and strip, tin mill black plate and tin plate .....	131,445	-	136,527	3,132	133,395
Galvanized sheets .....	57,152	-	54,975	...	54,975
Total cold rolled and coated ..	194,697	-	197,804	3,132	194,672
Total carbon steel .....	636,233	203	675,576	27,808	647,768
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	-	-	-	-	-
For forging and piercing .....	6,109	-	6,109	...	6,109
Alloy plates .....	1,720	-	1,720	...	1,720
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	24,741	-	24,621	74	24,547
Cold finished bars .....	532	-	509	...	509
Wire rods .....	63	-	63	...	63
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	5,733	2,667	6,744	...	6,744
Total alloy steel .....	38,898	2,667	39,766	74	39,692

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. ... Figures not appropriate or not applicable.



TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Nine Months Ended September

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	452,297	-	436,661	277,069	159,592
For forging and piercing .....	185,548	-	179,598	...	179,598
Rails .....	186,725	-	193,606	...	193,606
Wire rods .....	379,299	-	380,365	...	380,365
Structural shapes:					
Heavy, including piling .....	336,952	-	337,850	...	337,850
Bar-sized shapes .....	95,327	-	92,921	...	92,921
Concrete reinforcing bars .....	490,446	563	506,784	...	506,784
Other hot rolled bars:					
Flats .....	55,684	-	80,776 )	29,446	364,225
Other .....	334,712	-	312,895 )		
Tie plates and track material:					
Angle bars .....	3,537	-	3,746	...	3,746
Tie plates .....	33,770	-	41,621	...	41,621
Track spikes .....	8,369	-	8,644	...	8,644
Plates (including plates for pipes and tubes) .....	851,422	-	840,552	...	840,552
Hot rolled sheets .....	1,373,728	-	945,864	38,699	907,165
Hot rolled strip .....	221,798	-	194,636	195	194,441
Total hot rolled products ...	5,009,614	563	4,556,519	345,409	4,211,110
<u>Cold rolled and coated</u>					
Cold finished bars .....	49,890	-	49,287	...	49,287
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,373,544	35	1,165,687	29,340	1,136,347
Galvanized sheets .....	450,332	-	437,237	...	437,237
Total cold rolled and coated ..	1,873,766	35	1,652,211	29,340	1,622,871
Total carbon steel .....	6,883,380	598	6,208,730	374,749	5,833,981
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,224	-	-	-	-
For forging and piercing .....	55,444	-	55,444	...	55,444
Alloy plates .....	11,990	-	11,990	...	11,990
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	186,742	-	185,667	1,069	184,598
Cold finished bars .....	3,419	-	3,404	...	3,404
Wire rods .....	2,665	-	2,665	...	2,665
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	51,489	21,178	72,677	...	72,677
Total alloy steel .....	315,973	21,178	331,847	1,069	330,778

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. ... Figures not appropriate or not applicable.



TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		September 1968		Nine months ended September 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	76,430	1,859	612,019	17,581
b	Other warehouses .....	6,473	1	60,960	418
6	Automotive and aircraft industries	66,693	12,640	478,591	100,810
7	Agricultural .....	15,938	200	107,140	1,975
8a	Contractors - Building .....	49,004	3	365,612	49
b	Construction - Public and utility ..	3,564	-	49,261	44
c	Structural steel fabricators .....	84,706	1,204	654,522	7,296
9	Containers .....	39,641	21	396,486	237
10	Machinery and tools .....	20,904	2,421	175,352	21,673
11	Wire, wire products and fasteners ..	46,637	3,306	406,771	25,631
12	Natural resources and extractive industries .....	13,975	6,159	115,472	32,836
13	Appliances and utensils .....	14,980	188	125,456	1,849
14	Other metal stamping and pressing ..	30,011	728	273,148	6,351
16	Railway operating .....	17,295	3	224,677	112
17	Railroad cars and locomotives .....	3,155	55	41,985	711
18	Shipbuilding .....	2,515	10	32,677	376
19	Pipes and tubes .....	57,038	4,549	824,608	38,949
20	Miscellaneous .....	7,575	487	53,044	1,087
	Total domestic shipments .....	556,534	33,834	4,997,781	257,985
5a	Export - For conversion and return .....	-	1,331	-	20,697
5b	Other export (for final sale)				
i	USA .....	59,583	3,254	611,457	40,718
ii	Other countries .....	31,648	1,273	224,740	11,378
	Total domestic and export shipments .....	647,765	39,692	5,833,978	330,778
	Production, (for sale only) .....	636,233	38,898	6,883,380	315,973
	Imports by producers (including conversion) .....	203	2,667	598	21,178
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
.. Figures not available.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
September 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	-	406	-	7,531	2,470	14,218	7,399
b	Other warehouses .....	7	58	-	1,670	256	258	188
6	Automotive and aircraft industries .....	629	-	28	75	-	57	16,282
7	Agriculture .....	-	-	-	854	636	725	3,891
8a	Contractors - Building ...	-	9	43	382	200	10,977	251
b	Construction - Public and utility .....	-	-	12	490	12	2,108	273
c	Structural steel fabri- cators .....	-	16	468	24,222	6,299	25,446	5,855
9	Containers .....	-	-	-	-	-	-	209
10	Machinery and tools .....	118	-	707	861	933	369	1,741
11	Wire, wire products and fasteners .....	365	-	40,123	-	59	61	6,736
12	Natural resources and extractive industries ..	215	1,558	-	624	126	992	11,762
13	Appliances and utensils ..	-	-	-	34	-	-	75
14	Other metal stamping and pressing .....	216	69	212	149	691	8,112	1,395
16	Railway operating .....	-	16,349	-	54	-	-	79
17	Railroad cars and loco- motives .....	917	-	-	117	28	-	173
18	Shipbuilding .....	-	-	-	460	4	-	91
19	Pipes and tubes .....	17,473	-	55	-	-	81	-
20	Miscellaneous .....	5,161	-	565	5	244	407	607
Total domestic shipments .....		25,101	18,465	42,213	37,528	11,958	63,811	57,007
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	12,855	123	2,314	3,804	777	124	6,299
ii	Other countries .....	19,799	-	-	-	-	-	280
Total domestic and exports shipments ..		57,755	18,588	44,527	41,332	12,735	63,935	63,586
Production (for sale only) .....		48,808	15,796	44,069	40,898	16,555	60,676	58,582
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	203	-
Inventory .....		..	..	..	..	..	..	..

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
September 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
58	10,143	11,084	93	1,956	13,420	9,511	78,289	4a
-	916	1,938	296	-	887	-	6,474	b
-	881	37,291	1,935	2,312	18,272	1,571	79,333	6
-	1,549	4,794	215	918	2,124	432	16,138	7
-	732	3,430	256	3	4,860	27,864	49,007	8a
-	150	261	-	-	258	-	3,564	b
-	16,935	2,274	653	63	303	3,376	85,910	c
-	-	301	129	-	38,965	58	39,662	9
-	5,166	4,096	741	737	6,703	1,153	23,325	10
10	426	292	7	232	1,557	75	49,943	11
116	2,185	1,528	-	26	642	360	20,134	12
-	513	1,622	62	221	10,706	1,935	15,168	13
-	2,139	3,857	307	204	11,542	1,846	30,739	14
519	282	15	-	-	-	-	17,298	16
-	1,838	86	-	2	49	-	3,210	17
-	1,856	61	-	-	53	-	2,525	18
-	9,035	12,241	16,349	44	5,843	466	61,587	19
-	-	31	6	31	783	222	8,062	20
703	54,746	85,202	21,049	6,749	116,967	48,869	590,368	
-	-	-	-	-	1,331	-	1,331	5a
								5b
37	6,927	11,080	19	42	15,212	3,224	62,837	i
31	243	3,040	-	20	6,626	2,882	32,921	ii
771	61,916	99,322	21,068	6,811	140,136	54,975	687,457	
500	63,973	101,392	22,920	6,632	137,178	57,152	675,131	
-	-	-	-	-	2,667	-	2,870	
..	..	..	..	..	..	..	..	

.. Figures not available.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Nine Months Ended September 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
					net tons of 2,000 pounds			
4a	Wholesalers and ware- houses - Steel service centres .....	92	628	58	56,249	16,881	109,593	67,926
b	Other warehouses .....	7	661	-	11,206	2,166	2,485	2,684
6	Automotive and aircraft industries .....	22,976	-	178	1,632	147	114	130,554
7	Agriculture .....	3	-	113	4,912	5,063	728	30,462
8a	Contractors - Building ...	65	105	924	7,480	975	74,468	2,866
b	Construction - Public and utility .....	-	17	12	5,914	47	30,635	3,419
c	Structural steel fabri- cators .....	720	451	3,230	187,200	43,219	196,070	41,334
9	Containers .....	-	-	-	-	-	-	836
10	Machinery and tools .....	602	260	6,579	8,322	2,993	4,460	21,842
11	Wire, wire products and fasteners .....	6,943	-	326,793	88	1,197	841	65,217
12	Natural resources and extractive industries ..	2,795	9,263	311	6,695	674	3,498	89,388
13	Appliances and utensils ..	-	13	-	1,117	6	261	510
14	Other metal stamping and pressing .....	1,687	508	1,399	2,609	4,584	72,981	22,167
16	Railway operating .....	21	161,047	-	2,031	419	12	3,449
17	Railroad cars and loco- motives .....	12,255	39	-	3,897	184	-	2,019
18	Shipbuilding .....	-	33	-	4,555	83	-	909
19	Pipes and tubes .....	141,015	-	789	-	24	257	38
20	Miscellaneous .....	27,536	26	5,111	513	603	4,933	4,250
	Total domestic shipments .....	216,717	173,051	345,497	304,420	79,265	501,336	489,870
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	90,889	13,864	32,726	33,075	13,586	4,002	56,729
ii	Other countries .....	87,028	6,691	4,807	355	70	1,446	2,224
	Total domestic and exports shipments ..	394,634	193,606	383,030	337,850	92,921	506,784	548,823
	Production (for sale only) .....	697,513	186,725	381,964	336,952	95,327	490,446	577,138
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	563	-
	Inventory .....	..	..	..	..	..	..	..

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Nine Months Ended September 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
640	87,512	87,921	2,222	18,793	107,300	73,785	629,600	4a
78	16,179	16,968	1,428	-	7,516	-	61,378	b
-	5,205	259,812	15,721	14,898	112,678	15,486	579,401	6
-	10,056	35,041	1,159	5,938	13,838	1,802	109,115	7
45	5,185	28,385	2,542	116	37,934	204,571	365,661	8a
-	1,687	4,805	6	-	2,247	516	49,305	b
27	128,047	25,339	6,855	578	5,721	23,027	661,818	c
-	723	3,879	783	20	389,281	1,201	396,723	9
38	42,924	31,341	5,831	6,604	58,794	6,435	197,025	10
1,644	2,774	11,046	254	1,584	12,089	1,932	432,402	11
1,666	15,358	7,191	15	199	5,456	5,799	148,308	12
-	4,087	16,510	547	1,328	87,306	15,620	127,305	13
12	23,437	36,558	4,830	1,802	92,754	14,171	279,499	14
49,262	6,477	1,557	74	4	149	287	224,789	16
3	19,195	3,958	-	18	540	588	42,696	17
-	25,863	935	-	67	227	381	33,053	18
-	374,157	144,707	151,870	282	44,757	5,661	863,557	19
166	642	1,797	121	137	6,722	1,574	54,131	20
53,581	769,508	717,750	194,258	52,368	985,309	372,836	5,255,766	
-	-	-	-	-	20,697	-	20,697	5a
								5b
364	82,748	158,480	183	244	121,369	43,916	652,175	i
66	286	30,935	-	79	81,646	20,485	236,118	ii
54,011	852,542	907,165	194,441	52,691	1,209,021	437,237	6,164,756	
45,676	863,412	1,373,728	221,798	53,309	1,425,033	450,332	7,199,353	
-	-	-	-	-	21,213	-	21,776	
..	..	..	..	..	..	..	..	

.. Figures not available.





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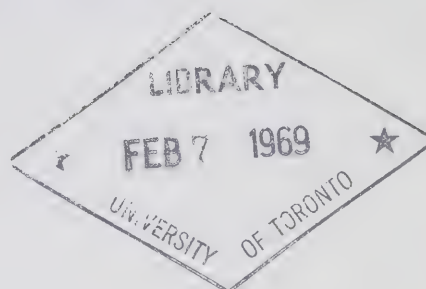
MONTHLY



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# PRIMARY IRON AND STEEL

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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown-out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	October 1968	Ten months ended October 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	29,856	262,077
From foreign mines .....	41,454	644,211
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	727,017	6,668,958
From foreign mines .....	152,329	1,570,546
From own processing .....	104,087	1,149,937
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	17,892	172,109
Scrap iron and steel .....	14,775	110,365
Limestone .....	69,965	652,019
Dolomite .....	50,540	401,876
Coke .....	378,667	3,659,344

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys  
October

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	553,332	3,390	657,039	3,757
Foundry (including silvery pig)(2) .....	44,719	30,841	41,650	80,294
Malleable .....	23,923	23,991	14,862	29,833
Total pig iron .....	621,974	58,222	713,551	113,884
Ferro-alloys .....	14,627	14,405	16,061	15,194
Stocks of pig iron on hand at end of month ....	291,760		275,624	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys  
Ten Months Ended October

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	5,158,470	36,914	6,312,134	111,114
Foundry (including silvery pig)(2) .....	443,410	346,530	461,546	408,208
Malleable .....	209,225	199,991	236,675	181,099
Total pig iron .....	5,811,105	583,435	7,010,355	700,421
Ferro-alloys .....	138,896	140,472	138,503	144,091

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,853,650
Basic oxygen furnace .....	3,630,000
Total ingots .....	12,453,650
Steel castings .....	440,425
Total ingots and castings .....	12,894,075



TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	October		Ten months ended October	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	543,557	645,440	5,096,773	6,152,592
Scrap - Own make .....	246,151	279,108	2,477,657	2,705,428
Purchased .....	172,341	187,852	1,705,958	1,677,865
Total pig iron and scrap .....	962,049	1,112,400	9,280,388	10,535,885

TABLE 7. Production and Shipments of Steel Ingots and Castings  
October

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	753,444	23,283	844,024	15,444
Electric .....	82,335	8,675	129,724	20,344
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	835,779	31,958	973,748	35,788
Continuous cast steel included in above .....	63,773	x	85,658	x
Alloy steel ingots included in above .....	58,904 <sup>r</sup>	x	66,351	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	10,580	9,629	12,299	12,039
Basic oxygen furnace .....	(3)	(3)	-	-
Total steel castings .....	10,580	9,629	12,299	12,039
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	282	272	461	331
Manganese and abrasion resistant .....	2,325	2,134	1,735	2,057
All other alloys .....	305	310	586	634
Total alloy castings .....	2,912	2,716	2,782	3,022

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Ten Months Ended October

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	7,064,918	125,221	8,021,498	124,199
Electric .....	943,335	103,875	1,153,213	187,537
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	8,008,253	229,096	9,174,711	311,736
Continuous cast steel included in above .....	526,653	x	776,567	x
Alloy steel ingots included in above .....	584,986 <sup>r</sup>	x	619,405	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	120,472	121,966	113,942	109,721
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	120,472	121,966	113,942	109,721
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	4,006	3,815	4,241	2,820
Manganese and abrasion resistant .....	25,553	25,010	17,463	18,571
All other alloys .....	6,009	5,595	5,635	5,838
Total alloy castings .....	35,568	34,420	27,339	27,229

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	October 1968		Ten months ended October 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	-	-	34
Export .....	1,110	185	9,451	1,183
Automotive and aircraft industries .....	608	-	4,523	-
Agricultural (including implement and equipment manufacturers) .....	73	11	801	206
Construction (including public works, public utilities and structural steel fabricators) ...	87	307	603	2,424
Machinery and tools .....	1,791	602	17,221	4,722
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	888	1,224	8,763	12,456
Railway operating .....	3,032	248	28,294	2,460
Railroad cars and locomotives .....	1,130	30	10,661	843
Shipbuilding .....	58	16	311	59
Miscellaneous (including grinding balls and railway car wheels) .....	240	399	1,864	2,842
Totals .....	9,017	3,022	82,492	27,229

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....	747,595	13,226	978,893	12,638	991,531
June .....	708,104	11,982	933,233	10,821	949,054
July .....	734,172	11,853	898,414	7,067	905,481
August .....	673,508	12,087	884,324	9,255	893,579
September .....	627,730	14,973	854,343	11,159	865,502
October .....	713,551	16,061	973,748	12,299	986,047
November .....					
December .....					
Totals .....					

TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
October

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	18,718 <sup>r</sup>	20,430 <sup>r</sup>	29,665	26,767
Over 4 1/2" outside diameter (excluding tubing and casing) .....	14,979 <sup>r</sup>	16,737 <sup>r</sup>	22,517	16,444
Mechanical and pressure tubing, casing and oil well tubing .....	19,170 <sup>r</sup>	16,787 <sup>r</sup>	21,875	18,910
Totals .....	52,867 <sup>r</sup>	53,954 <sup>r</sup>	74,057	62,121
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	153	156	127	184
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	524	476	702	688
Totals .....	677	632	829	872

(1) Included with "Other". <sup>r</sup> Revised figures.

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Ten Months Ended October

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	226,026 <sup>r</sup>	216,860 <sup>r</sup>	232,604	221,904
Over 4 1/2" outside diameter (excluding tubing and casing) .....	280,593 <sup>r</sup>	272,367 <sup>r</sup>	498,359	488,134
Mechanical and pressure tubing, casing and oil well tubing .....	139,330 <sup>r</sup>	143,449 <sup>r</sup>	180,669	179,250
Totals .....	645,949 <sup>r</sup>	632,676 <sup>r</sup>	911,632	889,288
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	x	1,213	1,258	1,562
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	5,161	5,398	4,642	5,311
Totals .....	x	6,611	5,900	6,873

(1) Included with "Other". <sup>r</sup> Revised figures. x Confidential to meet secrecy requirements of the Statistics Act.



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
October 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	42,515	-	50,699	42,998	7,701
For forging and piercing .....	21,568	-	24,483	...	24,483
Rails .....	16,370	-	16,236	...	16,236
Wire rods .....	48,230	-	48,486	...	48,486
Structural shapes:					
Heavy, including piling .....	37,501	-	37,757	...	37,757
Bar-sized shapes .....	9,774	-	11,991	...	11,991
Concrete reinforcing bars .....	64,092	184	64,111	...	64,111
Other hot rolled bars:					
Flats .....	5,828	-	11,103	) 1,345	47,186
Other .....	52,603	-	37,428		
Tie plates and track material:					
Angle bars .....	-	-	47	...	47
Tie plates .....	-	-	24	...	24
Track spikes .....	198	-	176	...	176
Plates (including plates for pipes and tubes) .....	68,801	-	69,923	...	69,923
Hot rolled sheets .....	119,714	-	111,486	2,052	109,434
Hot rolled strip .....	28,648	-	26,483	...	26,483
Total hot rolled products ...	515,842	184	510,433	46,395	464,038
<u>Cold rolled and coated</u>					
Cold finished bars .....	6,349	-	6,299	...	6,299
Cold reduced sheets and strip, tin mill black plate and tin plate .....	143,971	-	137,641	3,526	134,115
Galvanized sheets .....	61,402	-	62,084	...	62,084
Total cold rolled and coated ..	211,722	-	206,024	3,526	202,498
Total carbon steel .....	727,564	184	716,457	49,921	666,536
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	-	-	-	-	-
For forging and piercing .....	7,789	-	7,789	...	7,789
Alloy plates .....	2,309	-	2,309	...	2,309
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	21,085	-	20,942	36	20,906
Cold finished bars .....	570	-	554	...	554
Wire rods .....	221	-	221	...	221
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	6,798	974	7,931	...	7,931
Total alloy steel .....	38,772	974	39,746	36	39,710

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. ... Figures not appropriate or not applicable.



TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Ten Months Ended October 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	494,812	-	487,360	320,067	167,293
For forging and piercing .....	207,116	-	204,081	...	204,081
Rails .....	203,095	-	209,842	...	209,842
Wire rods .....	427,529	-	428,851	...	428,851
Structural shapes:					
Heavy, including piling .....	374,453	-	375,607	...	375,607
Bar-sized shapes .....	105,101	-	104,912	...	104,912
Concrete reinforcing bars .....	554,538	747	570,895	...	570,895
Other hot rolled bars:					
Flats .....	61,512	-	91,879	) 30,791	411,411
Other .....	387,315	-	350,323		
Tie plates and track material:					
Angle bars .....	3,537	-	3,793	...	3,793
Tie plates .....	33,770	-	41,645	...	41,645
Track spikes .....	8,567	-	8,820	...	8,820
Plates (including plates for pipes and tubes) .....	920,223	-	910,475	...	910,475
Hot rolled sheets .....	1,493,442	-	1,057,350	40,751	1,016,599
Hot rolled strip .....	250,446	-	221,119	195	220,924
Total hot rolled products ...	5,525,456	747	5,066,952	391,804	4,675,148
<u>Cold rolled and coated</u>					
Cold finished bars .....	56,239	-	55,586	...	55,586
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,517,515	35	1,303,328	32,866	1,270,462
Galvanized sheets .....	511,734	-	499,321	...	499,321
Total cold rolled and coated ..	2,085,488	35	1,858,235	32,866	1,825,369
Total carbon steel .....	7,610,944	782	6,925,187	424,670	6,500,517
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,224	-	-	-	-
For forging and piercing .....	63,233	-	63,233	...	63,233
Alloy plates .....	14,299	-	14,299	...	14,299
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	207,827	-	206,609	1,105	205,504
Cold finished bars .....	3,989	-	3,958	...	3,958
Wire rods .....	2,886	-	2,886	...	2,886
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	58,287	22,152	80,608	...	80,608
Total alloy steel .....	354,745	22,152	371,593	1,105	370,488

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale i.e. figures amended to exclude producers' interchange-own. ... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		October 1968		Ten months ended October 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	85,829	2,558	697,848	20,139
b	Other warehouses .....	6,723	-	67,683	418
6	Automotive and aircraft industries	73,426	14,559	552,017	115,369
7	Agricultural .....	16,996	633	124,136	2,608
8a	Contractors - Building .....	49,588	69	415,200	118
b	Construction - Public and utility ..	6,084	-	55,345	44
c	Structural steel fabricators .....	90,713	1,634	745,235	8,930
9	Containers .....	36,246	5	432,732	242
10	Machinery and tools .....	22,210	2,751	197,562	24,424
11	Wire, wire products and fasteners ..	54,511	2,389	461,282	28,020
12	Natural resources and extractive industries .....	11,631	1,455	127,103	34,291
13	Appliances and utensils .....	17,994	162	143,450	2,011
14	Other metal stamping and pressing ..	30,798	417	303,946	6,768
16	Railway operating .....	8,919	-	233,596	112
17	Railroad cars and locomotives .....	4,430	21	46,415	732
18	Shipbuilding .....	5,144	22	37,821	398
19	Pipes and tubes .....	64,365	6,239	888,973	45,188
20	Miscellaneous .....	8,034	215	61,078	1,302
	Total domestic shipments .....	593,641	33,129	5,591,422	291,114
5a	Export - For conversion and return .....	-	1,339	-	22,036
5b	Other export (for final sale)				
i	USA .....	44,273	3,527	655,730	44,245
ii	Other countries .....	28,622	1,715	253,362	13,093
	Total domestic and export shipments .....	666,536	39,710	6,500,514	370,488
	Production, (for sale only) .....	727,564	38,772	7,610,944	354,745
	Imports by producers (including conversion) .....	184	974	782	22,152
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
.. Figures not available.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
October 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	28	156	133	7,398	1,929	12,948	9,381
b	Other warehouses .....	-	58	-	1,230	445	130	299
6	Automotive and aircraft industries .....	2,349	-	43	51	43	29	19,583
7	Agriculture .....	-	-	-	639	1,401	14	6,034
8a	Contractors - Building ...	-	-	49	670	267	7,834	237
b	Construction - Public and utility .....	-	-	-	315	-	4,476	168
c	Structural steel fabri- cators .....	-	80	366	22,428	5,626	29,070	7,628
9	Containers .....	-	-	-	-	-	-	210
10	Machinery and tools .....	39	-	248	767	113	645	2,108
11	Wire, wire products and fasteners .....	498	-	44,400	-	79	138	7,305
12	Natural resources and extractive industries ..	513	999	-	292	28	945	6,955
13	Appliances and utensils ..	-	-	-	36	11	26	110
14	Other metal stamping and pressing .....	157	-	85	178	612	6,896	1,675
16-	Railway operating .....	4	8,161	-	66	51	-	267
17	Railroad cars and loco- motives .....	1,865	-	-	346	-	-	46
18	Shipbuilding .....	-	18	-	806	48	-	59
19	Pipes and tubes .....	20,344	-	99	-	-	-	12
20	Miscellaneous .....	5,541	-	588	17	185	611	429
Total domestic shipments .....		31,338	9,472	46,011	35,239	10,838	63,762	62,506
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	4,337	371	2,028	2,510	1,153	204	5,225
ii	Other countries .....	4,298	6,393	668	8	-	145	361
Total domestic and exports shipments ..		39,973	16,236	48,707	37,757	11,991	64,111	68,092
Production (for sale only) .....		71,872	16,370	48,451	37,501	9,774	64,092	79,516
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	184	-
Inventory .....		..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
October 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
84	13,672	13,186	296	2,043	15,379	11,754	88,387	4a
-	1,375	2,155	396	-	635	-	6,723	b
-	754	39,110	3,040	2,136	18,993	1,854	87,985	6
3	1,501	4,716	174	832	2,106	209	17,629	7
-	871	4,932	560	25	4,695	29,517	49,657	8a
3	37	551	-	-	534	-	6,084	b
1	19,143	2,884	748	54	729	3,590	92,347	c
-	245	270	103	-	35,202	221	36,251	9
10	7,499	3,164	609	983	8,003	773	24,961	10
4	440	2,190	101	173	1,354	218	56,900	11
29	1,638	680	-	21	472	514	13,086	12
-	424	2,357	152	233	12,481	2,326	18,156	13
1	2,472	3,852	530	235	11,617	2,905	31,215	14
59	192	82	-	6	23	8	8,919	16
-	1,303	891	-	-	-	-	4,451	17
-	3,780	389	-	-	44	22	5,166	18
-	9,885	14,572	19,562	19	5,800	311	70,604	19
-	109	46	26	17	503	177	8,249	20
194	65,340	96,027	26,297	6,777	118,570	54,399	626,770	
-	-	-	-	-	1,339	-	1,339	5a
-	-	-	-	-	-	-	-	5b
53	6,867	4,769	186	65	14,528	5,504	47,800	i
-	25	8,638	-	11	7,609	2,181	30,337	ii
247	72,232	109,434	26,483	6,853	142,046	62,084	706,246	
198	71,110	119,714	28,648	6,919	150,769	61,402	766,336	
-	-	-	-	-	974	-	1,158	
..	..	..	..	..	..	..	..	

.. Figures not available.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Ten Months Ended October 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	120	784	191	63,647	18,810	122,541	77,307
b	Other warehouses .....	7	719	-	12,436	2,611	2,615	2,983
6	Automotive and aircraft industries .....	25,325	-	221	1,683	190	143	150,137
7	Agriculture .....	3	-	113	5,551	6,464	742	36,496
8a	Contractors - Building ...	65	105	973	8,150	1,242	82,302	3,103
b	Construction - Public and utility .....	-	17	12	6,229	47	35,111	3,587
c	Structural steel fabri- cators .....	720	531	3,596	209,628	48,845	225,140	48,962
9	Containers .....	-	-	-	-	-	-	1,046
10	Machinery and tools .....	641	260	6,827	9,089	3,106	5,105	23,950
11	Wire, wire products and fasteners .....	7,441	-	371,193	88	1,276	979	72,522
12	Natural resources and extractive industries ..	3,308	10,262	311	6,987	702	4,443	96,343
13	Appliances and utensils ..	-	13	-	1,153	17	287	620
14	Other metal stamping and pressing .....	1,844	508	1,484	2,787	5,196	79,877	23,842
16	Railway operating .....	25	169,208	-	2,097	470	12	3,716
17	Railroad cars and loco- motives .....	14,120	39	-	4,243	184	-	2,065
18	Shipbuilding .....	-	51	-	5,361	131	-	968
19	Pipes and tubes .....	161,359	-	888	-	24	257	50
20	Miscellaneous .....	33,077	26	5,699	530	788	5,544	4,679
	Total domestic shipments .....	248,055	182,523	391,508	339,659	90,103	565,098	552,376
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	95,226	14,235	34,754	35,585	14,739	4,206	61,954
ii	Other countries .....	91,326	13,084	5,475	363	70	1,591	2,585
	Total domestic and exports shipments ..	434,607	209,842	431,737	375,607	104,912	570,895	616,915
	Production (for sale only) .....	769,385	203,095	430,415	374,453	105,101	554,538	656,654
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	747	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Ten Months Ended October 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate (2)	Gal- vanized sheets	Total	SDI No.
724	101,184	101,107	2,518	20,836	122,679	85,539	717,987	4a
78	17,554	19,123	1,824	-	8,151	-	68,101	b
-	5,959	298,922	18,761	17,034	131,671	17,340	667,386	6
3	11,557	39,757	1,333	6,770	15,944	2,011	126,744	7
45	6,056	33,317	3,102	141	42,629	234,088	415,318	8a
3	1,724	5,356	6	-	2,781	516	55,389	b
28	147,190	28,223	7,603	632	6,450	26,617	754,165	c
-	968	4,149	886	20	424,483	1,422	432,974	9
48	50,423	34,505	6,440	7,587	66,797	7,208	221,986	10
1,648	3,214	13,236	355	1,757	13,443	2,150	489,302	11
1,695	16,996	7,871	15	220	5,928	6,313	161,394	12
-	4,511	18,867	699	1,561	99,787	17,946	145,461	13
13	25,909	40,410	5,360	2,037	104,371	17,076	310,714	14
49,321	6,669	1,639	74	10	172	295	233,708	16
3	20,498	4,849	-	18	540	588	47,147	17
-	29,643	1,324	-	67	271	403	38,219	18
-	384,042	159,279	171,432	301	50,557	5,972	934,161	19
166	751	1,843	147	154	7,225	1,751	62,380	20
53,775	834,848	813,777	220,555	59,145	1,103,879	427,235	5,882,536	
-	-	-	-	-	22,036	-	22,036	5a
								5b
417	89,615	163,249	369	309	135,897	49,420	699,975	i
66	311	39,573	-	90	89,255	22,666	266,455	ii
54,258	924,774	1,016,599	220,924	59,544	1,351,067	499,321	6,871,002	
45,874	934,522	1,493,442	250,446	60,228	1,575,802	511,734	7,965,689	
-	-	-	-	-	22,187	-	22,934	
..	..	..	..	..	..	..	..	

.. Figures not available.

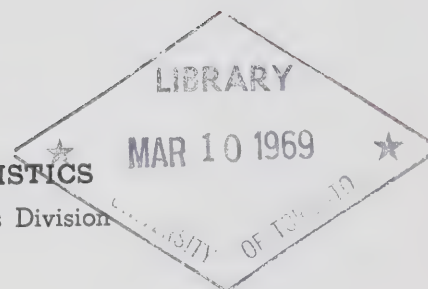




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TABLE 1. Pig Iron Capacity, January 1, 1968

	In blast or in use	
	Furnaces	Annual capacity
	No.	net tons
Blast furnaces .....	16	8,701,000
Electric furnaces .....	11	575,000
Totals .....	27	9,276,000

Note: No furnaces in banked, blown-out or idle state.

TABLE 2. Iron Blast Furnaces Charges(1)

	November 1968	Eleven months ended November 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	16,369	278,446
From foreign mines .....	54,155	698,366
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	696,630	7,365,588
From foreign mines .....	152,185	1,722,731
From own processing .....	100,406	1,250,343
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	18,518	190,627
Scrap iron and steel .....	12,200	122,565
Limestone .....	64,780	716,799
Dolomite .....	52,208	454,084
Coke .....	359,256	4,018,600

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).



TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

November

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	511,877	3,159	627,695	3,630
Foundry (including silvery pig) (2) .....	39,875	71,661	48,767	115,651
Malleable .....	22,449	17,057	6,027	21,162
Total pig iron .....	574,201	91,877	682,489	140,443
Ferro-alloys .....	15,325	10,903	13,467	16,358
Stocks of pig iron on hand at end of month ....	260,157		196,080	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Eleven Months Ended November

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	5,670,347	40,073	6,939,829	114,744
Foundry (including silvery pig) (2) .....	483,285	418,191	510,313	523,859
Malleable .....	231,674	217,048	242,702	202,261
Total pig iron .....	6,385,306	675,312	7,692,844	840,864
Ferro-alloys .....	154,221	151,375	151,970	160,449

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, January 1, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,853,650
Basic oxygen furnace .....	3,630,000
Total ingots .....	12,453,650
Steel castings .....	440,425
Total ingots and castings .....	12,894,075

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	November		Eleven months ended November	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	502,409	622,258	5,599,182	6,774,850
Scrap - Own make .....	234,489	285,343	2,712,146	2,990,771
Purchased .....	160,008	226,445	1,865,966	1,904,310
Total pig iron and scrap .....	896,906	1,134,046	10,177,294	11,669,931

TABLE 7. Production and Shipments of Steel Ingots and Castings

	November			
	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	685,141	25,963	854,280	19,487
Electric .....	92,839	8,120	134,750	21,493
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	777,980	34,083	989,030	40,980
Continuous cast steel included in above .....	67,346	x	89,332	x
Alloy steel ingots included in above .....	69,379	x	79,279	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	(3)	(3)
Electric .....	11,600	10,285	16,698	18,535
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	11,600	10,285	16,698	18,535
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	379	259	483	325
Manganese and abrasion resistant .....	2,287	2,159	1,972	1,984
All other alloys .....	377	345	559	610
Total alloy castings .....	3,043	2,763	3,014	2,919

(1) Includes amounts for sale and for own use.

(2) Included with "Basic open hearth".

(3) Included with "Electric".

x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Eleven Months Ended November

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	7,750,059	151,184	8,875,778	143,686
Electric .....	1,036,174	111,995	1,287,963	209,030
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	8,786,233	263,179	10,163,741	352,716
Continuous cast steel included in above .....	593,999	x	865,899	x
Alloy steel ingots included in above .....	654,365	x	698,684	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	132,072	132,251	130,640	128,256
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	132,072	132,251	130,640	128,256
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	4,385	4,074	4,724	3,145
Manganese and abrasion resistant .....	27,840	27,169	19,435	20,555
All other alloys .....	6,386	5,940	6,194	6,448
Total alloy castings .....	38,611	37,183	30,353	30,148

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". x Confidential to meet secrecy requirements of the Statistics Act.  
Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	November 1968		Eleven months ended November 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	-	-	34
Export .....	3,520	186	12,971	1,369
Automotive and aircraft industries .....	594	-	5,117	-
Agricultural (including implement and equipment manufacturers) .....	108	19	909	225
Construction (including public works, public utilities and structural steel fabricators) ...	42	333	645	2,757
Machinery and tools .....	1,795	536	19,016	5,258
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	1,157	1,052	9,920	13,508
Railway operating .....	6,529	342	34,823	2,802
Railroad cars and locomotives .....	1,604	85	12,265	928
Shipbuilding .....	31	8	342	67
Miscellaneous (including grinding balls and railway car wheels) .....	236	358	2,100	3,200
Totals .....	15,616	2,919	98,108	30,148

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.

TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....	747,595	13,226	978,893	12,638	991,531
June .....	708,104	11,982	938,233	10,821	949,054
July .....	734,172	11,853	898,414	7,067	905,481
August .....	673,508	12,087	884,324	9,255	893,579
September .....	627,730	14,973	854,343	11,159	865,502
October .....	713,551	16,061	973,748	12,299	986,047
November .....	682,489	13,467	989,030	16,698	1,005,728
December .....					
Totals .....					



TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings  
November

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	19,905	21,342	31,824	27,282
Over 4 1/2" outside diameter (excluding tubing and casing) .....	40,030	21,736	22,979	12,873
Mechanical and pressure tubing, casing and oil well tubing .....	20,452	18,370	23,394	18,652
Totals .....	80,387	61,448	78,197	58,807
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	124	105	177	202
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	462	460	802	809
Totals .....	586	565	979	1,011

(1) Included with "Other".

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings  
Eleven Months Ended November

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	245,931	238,202	264,428	249,186
Over 4 1/2" outside diameter (excluding tubing and casing) .....	320,623	294,103	521,338	501,007
Mechanical and pressure tubing, casing and oil well tubing .....	159,782	161,819	204,063	197,902
Totals .....	726,336	694,124	989,829	948,095
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	x	1,318	1,435	1,764
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	5,623	5,858	5,444	6,120
Totals .....	x	7,176	6,879	7,884

(1) Included with "Other".

x Confidential to meet secrecy requirements of the Statistics Act.



TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
November 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	57,317	-	62,367	35,483	26,884
For forging and piercing .....	21,802	-	19,974	...	19,974
Rails .....	9,557	-	10,359	...	10,359
Wire rods .....	50,932	-	52,282	...	52,282
Structural shapes:					
Heavy, including piling .....	51,204	-	44,059	...	44,059
Bar-sized shapes .....	10,257	-	9,737	...	9,737
Concrete reinforcing bars .....	44,005	62	38,059	...	38,059
Other hot rolled bars:					
Flats .....	9,268	-	13,116	) 2,326	49,171
Other .....	36,534	-	38,381		
Tie plates and track material:					
Angle bars .....	-	-	27	...	27
Tie plates .....	-	-	14	...	14
Track spikes .....	146	-	146	...	146
Plates (including plates for pipes and tubes) .....	72,884	-	73,575	...	73,575
Hot rolled sheets .....	113,716	-	114,295	3,300	110,995
Hot rolled strip .....	37,678	-	31,525	18	31,507
Total hot rolled products ...	515,300	62	507,916	41,127	466,789
<u>Cold rolled and coated</u>					
Cold finished bars .....	6,168	-	6,259	...	6,259
Cold reduced sheets and strip, tin mill black plate and tin plate .....	142,474	-	131,896	3,742	128,154
Galvanized sheets .....	53,522	-	54,806	...	54,806
Total cold rolled and coated ..	202,164	-	192,961	3,742	189,219
Total carbon steel .....	717,464	62	700,877	44,869	656,008
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	-	-	-	-	-
For forging and piercing .....	8,881	-	8,881	...	8,881
Alloy plates .....	1,467	-	1,467	...	1,467
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	28,729	-	28,526	72	28,454
Cold finished bars .....	781	-	776	...	776
Wire rods .....	297	-	297	...	297
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	7,028	2,361	10,531	...	10,531
Total alloy steel .....	47,183	2,361	50,478	72	50,406

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers interchange-own.  
... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Eleven Months Ended November 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	552,129	-	549,727	355,550	194,177
For forging and piercing .....	228,918	-	224,055	...	224,055
Rails .....	212,652	-	220,201	...	220,201
Wire rods .....	478,461	-	481,133	...	481,133
Structural shapes:					
Heavy, including piling .....	425,657	-	419,666	...	419,666
Bar-sized shapes .....	116,358(2)	-	115,649(2)	...	115,649(2)
Concrete reinforcing bars .....	598,543	809	608,954	...	608,954
Other hot rolled bars:					
Flats .....	70,780	-	104,995	)	
Other .....	422,849(2)	-	387,704(2)	) 33,117	459,582(2)
Tie plates and track material:					
Angle bars .....	3,537	-	3,820	...	3,820
Tie plates .....	33,770	-	41,659	...	41,659
Track spikes .....	8,713	-	8,966	...	8,966
Plates (including plates for pipes and tubes) .....	993,107	-	984,050	...	984,050
Hot rolled sheets .....	1,607,158	-	1,171,645	44,051	1,127,594
Hot rolled strip .....	288,124	-	252,644	213	252,431
Total hot rolled products ...	6,040,756	809	5,574,868	432,931	5,141,937
<u>Cold rolled and coated</u>					
Cold finished bars .....	62,407	-	61,845	...	61,845
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,659,989	35	1,435,221	36,608	1,398,613
Galvanized sheets .....	565,256	-	554,127	...	554,127
Total cold rolled and coated ..	2,287,652	35	2,051,193	36,608	2,014,585
Total carbon steel .....	8,328,408	844	7,626,061	469,539	7,156,522(2)
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,224	-	-	-	-
For forging and piercing .....	72,114	-	72,114	...	72,114
Alloy plates .....	15,766	-	15,766	...	15,766
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	236,556	-	235,135	1,177	233,958
Cold finished bars .....	4,770	-	4,734	...	4,734
Wire rods .....	3,183	-	3,183	...	3,183
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	65,315	24,513	91,139	...	91,139
Total alloy steel .....	401,928	24,513	422,071	1,177	420,894

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own. (2) Includes revision to date. ... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		November 1968		Eleven months ended November 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	85,530	2,790	783,378	22,929
b	Other warehouses .....	8,115	-	75,798	418
6	Automotive and aircraft industries	70,639	11,230	622,656	126,599
7	Agricultural .....	16,533	447	140,669	3,055
8a	Contractors - Building .....	42,259	-	457,459	118
b	Construction - Public and utility ..	2,709	-	58,054	44
c	Structural steel fabricators .....	76,366	1,172	821,601	10,102
9	Containers .....	31,725	18	464,457	260
10	Machinery and tools .....	23,138	2,950	220,700	27,374
11	Wire, wire products and fasteners ..	50,517	2,470	511,799	30,490
12	Natural resources and extractive industries .....	13,433	11,311	140,536	45,602
13	Appliances and utensils .....	15,974	253	159,424	2,264
14	Other metal stamping and pressing ..	27,719	1,180	331,665	7,948
16	Railway operating .....	10,938	-	244,534	112
17	Railroad cars and locomotives .....	5,920	40	52,335	772
18	Shipbuilding .....	3,497	14	41,318	412
19	Pipes and tubes .....	82,475	6,561	971,448	51,749
20	Miscellaneous .....	9,447	513	70,525	1,815
	Total domestic shipments .....	576,934	40,949	6,168,356	332,063
5a	Export - For conversion and return .....	-	3,812	-	25,848
5b	Other export (for final sale)				
i	USA .....	39,599	3,862	695,329	48,107
ii	Other countries .....	39,475	1,783	292,837	14,876
	Total domestic and export shipments .....	656,008	50,406	7,156,522	420,894
	Production, (for sale only) .....	717,464	47,183	8,328,408	401,928
	Imports by producers (including conversion) .....	62	2,361	844	24,513
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
.. Figures not available.

TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
November 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
net tons of 2,000 pounds								
4a	Wholesalers and ware- houses - Steel service centres .....	2	254	65	8,108	3,169	9,844	9,837
b	Other warehouses .....	-	75	-	1,696	758	237	236
6	Automotive and aircraft industries .....	1,247	-	31	70	55	13	17,240
7	Agriculture .....	-	-	-	722	403	(- 715)	5,493
8a	Contractors - Building ...	-	-	67	314	109	5,396	311
b	Construction - Public and utility .....	-	-	-	261	-	1,579	284
c	Structural steel fabri- cators .....	3	64	757	25,371	3,672	16,635	6,735
9	Containers .....	-	-	-	-	-	-	111
10	Machinery and tools .....	18	-	1,152	921	78	175	3,075
11	Wire, wire products and fasteners .....	748	-	42,815	22	37	29	4,988
12	Natural resources and extractive industries ..	585	718	-	2,176	68	(- 1,241)	18,580
13	Appliances and utensils ..	-	-	-	-	-	56	68
14	Other metal stamping and pressing .....	394	-	316	26	557	5,286	2,336
16	Railway operating .....	5	9,018	-	474	4	-	324
17	Railroad cars and loco- motives .....	1,748	-	-	943	-	-	282
18	Shipbuilding .....	-	11	-	461	70	-	47
19	Pipes and tubes .....	17,127	-	3,792	-	-	-	-
20	Miscellaneous .....	6,061	-	1,407	15	127	583	903
Total domestic shipments .....		27,938	10,140	50,402	41,580	9,107	37,877	70,850
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	6,413	219	2,177	2,479	630	182	6,253
ii	Other countries .....	21,388	-	-	-	-	-	522
Total domestic and exports shipments ..		55,739	10,359	52,579	44,059	9,737	38,059	77,625
Production (for sale only) .....		88,000	9,557	51,229	51,204	10,257	44,005	74,531
Imports by producers (in- cluding conversion) ....		-	-	-	-	-	62	-
Inventory .....		..	..	..	..	..	..	..

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
November 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
118	12,246	12,967	380	2,336	17,618	11,376	88,320	4a
26	1,949	1,869	184	-	1,085	-	8,115	b
-	937	38,346	2,663	2,148	17,083	2,036	81,869	6
-	2,505	4,921	220	752	2,144	535	16,980	7
-	1,190	5,955	231	18	4,536	24,132	42,259	8a
1	76	311	-	-	197	-	2,709	b
-	16,679	3,029	614	65	434	3,480	77,538	c
-	263	311	78	6	30,918	56	31,743	9
1	6,113	4,648	809	835	7,647	616	26,088	10
8	394	1,746	37	198	1,782	183	52,987	11
24	1,512	999	-	40	367	916	24,744	12
-	440	1,802	119	340	11,823	1,579	16,227	13
4	1,705	3,674	679	244	11,605	2,073	28,899	14
-	473	620	-	-	3	17	10,938	16
-	1,264	1,331	-	-	-	392	5,960	17
-	2,689	188	-	-	14	31	3,511	18
-	19,813	14,766	25,298	17	7,605	618	89,036	19
-	37	37	1	-	662	127	9,960	20
182	70,285	97,520	31,313	6,999	115,523	48,167	617,883	
-	-	-	-	-	3,812	-	3,812	5a
								5b
4	4,757	6,982	194	24	9,214	3,933	43,461	i
1	-	6,493	-	12	10,136	2,706	41,258	ii
187	75,042	110,995	31,507	7,035	138,685	54,806	706,414	
146	74,351	113,716	37,678	6,949	149,502	53,522	764,647	
-	-	-	-	-	2,361	-	2,423	
..	..	..	..	..	..	..	..	

.. Figures not available.



TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Eleven Months Ended November 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	122	1,038	256	71,755	26,538(3)	132,385	82,585(3)
b	Other warehouses .....	7	794	-	14,132	3,369	2,852	3,219
6	Automotive and aircraft industries .....	26,572	-	252	1,753	245	156	167,377
7	Agriculture .....	3	-	113	6,273	6,867	27	41,989
8a	Contractors - Building ...	65	105	1,040	8,464	1,351	87,698	3,414
b	Construction - Public and utility .....	-	17	12	6,490	47	36,690	3,871
c	Structural steel fabri- cators .....	723	595	4,353	234,999	52,517	241,775	55,697
9	Containers .....	-	-	-	-	-	-	1,157
10	Machinery and tools .....	659	260	7,979	10,010	3,184	5,280	27,025
11	Wire, wire products and fasteners .....	8,189	-	414,008	110	1,313	1,008	77,510
12	Natural resources and extractive industries ..	3,893	10,980	311	9,163	770	3,202	114,923
13	Appliances and utensils ..	-	13	-	1,153	17	343	688
14	Other metal stamping and pressing .....	2,238	508	1,800	2,813	5,753	85,163	26,178
16-	Railway operating .....	30	178,226	-	2,571	474	12	4,040
17	Railroad cars and loco- motives .....	15,868	39	-	5,186	184	-	2,347
18	Shipbuilding .....	-	62	-	5,822	201	-	1,015
19	Pipes and tubes .....	178,486	-	4,680	-	24	257	50
20	Miscellaneous .....	39,138	26	7,106	545	915	6,127	5,582
	Total domestic shipments .....	275,993	192,663	441,910	381,239	103,769(3)	602,975	618,667(3)
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	101,639	14,454	36,931	38,064	15,369	4,388	68,207
ii	Other countries .....	112,714	13,084	5,475	363	70	1,591	3,107
	Total domestic and exports shipments ..	490,346	220,201	484,316	419,666	119,208(3)	608,954	689,981(3)
	Production (for sale only) .....	857,385	212,652	481,644	425,657	119,917(3)	598,543	726,626(3)
	Imports by producers (in- cluding conversion) ....	-	-	-	-	-	809	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions to date.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Eleven Months Ended November 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
842	113,430	114,074	2,898	23,172	140,297	96,915	806,307	4a
104	19,503	20,992	2,008	-	9,236	-	76,216	b
-	6,896	337,268	21,424	19,182	148,754	19,376	749,255	6
3	14,062	44,678	1,553	7,522	18,088	2,546	143,724	7
45	7,246	39,272	3,333	159	47,165	258,220	457,577	8a
4	1,800	5,667	6	-	2,978	516	58,098	b
28	163,869	31,252	8,217	697	6,884	30,097	831,703	c
-	1,231	4,460	964	26	455,401	1,478	464,717	9
49	56,536	39,153	7,249	8,422	74,444	7,824	248,074	10
1,656	3,608	14,982	392	1,955	15,225	2,333	542,289	11
1,719	18,508	8,870	15	260	6,295	7,229	186,138	12
-	4,951	20,669	818	1,901	111,610	19,525	161,688	13
17	27,614	44,084	6,039	2,281	115,976	19,149	339,613	14
49,321	7,142	2,259	74	10	175	312	244,646	16
3	21,762	6,180	-	18	540	980	53,107	17
-	32,332	1,512	-	67	285	434	41,730	18
-	403,855	174,045	196,730	318	58,162	6,590	1,023,197	19
166	788	1,880	148	154	7,887	1,878	72,340	20
53,957	905,133	911,297	251,868	66,144	1,219,402	475,402	6,500,419	
-	-	-	-	-	25,848	-	25,848	5a
								5b
421	94,372	170,231	563	333	145,111	53,353	743,436	i
67	311	46,066	-	102	99,391	25,372	307,713	ii
54,445	999,816	1,127,594	252,431	66,579	1,489,752	554,127	7,577,416	
46,020	1,008,873	1,607,158	288,124	67,177	1,725,304	565,256	8,730,336	
-	-	-	-	-	24,548	-	25,357	
..	..	..	..	..	..	..	..	

.. Figures not available.



CATALOGUE No.

41-001

MONTHLY



# PRIMARY IRON AND STEEL

DECEMBER 1968

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TABLE 1. Pig Iron Capacity, December 31, 1968

	In blast or in use		Banked, blown out or idle	
	Furnaces	Annual capacity	Furnaces	Annual capacity
	No.	net tons	No.	net tons
Blast furnaces .....	15	9,005,000	2	332,000
Electric furnaces .....	11	575,000	-	-
Totals .....	26	9,580,000	2	332,000

TABLE 2. Iron Blast Furnaces Charges(1)

	December 1968	Twelve months ended December 1968
	net tons of 2,000 pounds	
<u>Crude iron ore</u>		
From Canadian mines .....	29,864	308,310
From foreign mines .....	30,569	702,583(3)
Pyrite cinder .....	(2)	(2)
<u>Iron ore (sintered, pelletized, etc.)</u>		
From Canadian mines .....	745,374	8,110,962
From foreign mines .....	103,617	1,826,348
From own processing .....	97,461	1,347,804
Mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.) .....	17,901	208,528
Scrap iron and steel .....	11,995	134,560
Limestone .....	64,050	780,849
Dolomite .....	38,580	492,664
Coke .....	364,330	4,382,930

(1) Does not include charges into furnaces used in the smelting of titanium ores.

(2) Included with mill cinder, roll scale, slag and flue dust (not sintered, pelletized, etc.).

(3) Includes revisions to date.

TABLE 3. Production and Shipments of Pig Iron and Ferro-alloys

December

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	499,829	3,676	622,107	3,586
Foundry (including silvery pig) (2) .....	48,874	54,150	50,186	52,183
Malleable .....	6,365	17,895	17,464	14,498
Total pig iron .....	555,068	75,721	689,757	70,267
Ferro-alloys .....	13,771	16,002	14,942	14,051
Stocks of pig iron on hand at end of month ....	233,239		197,756	

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 4. Production and Shipments of Pig Iron and Ferro-alloys

Twelve Months ended December

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Pig iron</u>				
Basic .....	6,170,176	43,749	7,561,936	118,330
Foundry (including silvery pig) (2) .....	532,159	472,341	560,499	576,042
Malleable .....	238,039	234,943	260,166	216,759
Total pig iron .....	6,940,374	751,033	8,382,601	911,131
Ferro-alloys .....	167,992	167,377	166,912	174,500

(1) Includes amounts for sale and for own use.

(2) Includes the re-melt iron product produced in connection with the smelting of titanium ores.

TABLE 5. Steel Furnace Capacity, December 31, 1968

	Annual capacity
	net tons of 2,000 pounds
Ingots - Basic open hearth .....	6,970,000
Electric .....	1,923,650
Basic oxygen furnace .....	3,800,000
Total ingots .....	12,693,650
Steel castings .....	420,725
Total ingots and castings .....	13,114,375

TABLE 6. Pig Iron and Scrap charged to Steel Furnaces

	December		Twelve months ended December	
	1967	1968	1967	1968
	net tons of 2,000 pounds			
Pig iron .....	495,323	605,055	6,094,505	7,379,905
Scrap - Own make .....	244,705	283,351	2,956,851	3,274,122
Purchased .....	145,605	193,769	2,011,571	2,098,079
Total pig iron and scrap .....	885,633	1,082,175	11,062,927	12,752,106

TABLE 7. Production and Shipments of Steel Ingots and Castings

	December			
	1967	1968	1967	1968
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	684,563	24,281	822,710	19,084
Electric .....	80,378	8,676	122,156	21,539
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	764,941	32,957	944,866	40,623
Continuous cast steel included in above .....	53,253	x	81,196	x
Alloy steel ingots included in above .....	50,301	x	72,385	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	-	-	-	-
Electric .....	11,125	9,310	11,749	9,931
Basic oxygen furnace .....	-	-	-	-
Total steel castings .....	11,125	9,310	11,749	9,931
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	410	335	473	282
Manganese and abrasion resistant .....	2,030	2,023	2,135	2,253
All other alloys .....	471	486	629	643
Total alloy castings .....	2,911	2,844	3,237	3,178

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 8. Production and Shipments of Steel Ingots and Castings  
Twelve Months ended December

	1967		1968	
	Tonnage made(1)	Tonnage shipped	Tonnage made(1)	Tonnage shipped
	net tons of 2,000 pounds			
<u>Steel ingots (both carbon and alloy)</u> <u>(including continuous cast steel)</u>				
Basic open hearth .....	8,434,622	175,465	9,698,488	162,770
Electric .....	1,116,552	120,671	1,410,119	230,569
Basic oxygen furnace .....	(2)	(2)	(2)	(2)
Total steel ingots .....	9,551,174	296,136	11,108,607	393,339
Continuous cast steel included in above .....	647,252	x	947,095	x
Alloy steel ingots included in above .....	704,666	x	771,069	x
<u>Steel castings (both carbon and alloy)</u>				
Basic open hearth .....	(3)	(3)	(3)	(3)
Electric .....	143,197	141,561	142,389	138,187
Basic oxygen furnace .....	(3)	(3)	(3)	(3)
Total steel castings .....	143,197	141,561	142,389	138,187
<u>Alloy steel castings included in above</u>				
High alloy, except manganese and abrasion resistant .....	4,795	4,409	5,197	3,427
Manganese and abrasion resistant .....	29,870	29,192	21,570	22,808
All other alloys .....	6,857	6,426	6,823	7,091
Total alloy castings .....	41,522	40,027	33,590	33,326

(1) Includes amounts for sale and for own use. (2) Included with "Basic open hearth". (3) Included with "Electric". x Confidential to meet secrecy requirements of the Statistics Act.

Note: High alloy castings include all castings with an alloy content of 8% and over.

TABLE 9. Disposition of Shipments(1) of Steel Castings

	December 1968		Twelve months ended December 1968	
	Carbon	Alloy	Carbon	Alloy
	net tons of 2,000 pounds			
Wholesalers and warehouses .....	-	-	-	34
Export .....	1,110	300	14,081	1,669
Automotive and aircraft industries .....	466	-	5,583	-
Agricultural (including implement and equipment manufacturers) .....	61	18	970	243
Construction (including public works, public utilities and structural steel fabricators) ...	96	284	741	3,041
Machinery and tools .....	1,182	517	20,198	5,775
Natural resources and extractive industries (including mining, lumbering, quarrying, oil and gas, including refineries, etc.) .....	588	1,267	10,508	14,775
Railway operating .....	2,271	318	37,094	3,120
Railroad cars and locomotives .....	751	101	13,016	1,029
Shipbuilding .....	40	22	382	89
Miscellaneous (including grinding balls and railway car wheels) .....	188	351	2,288	3,551
Totals .....	6,753	3,178	104,861	33,326

(1) a Compiled by principal consuming industries, according to the Steel Distribution Index revised 1964, copies of which are available on request.

b Includes producers' own-make castings allocated to appropriate consuming industry.



TABLE 10. Monthly Production of Pig Iron, Ferro-alloys and Steel Ingots and Castings

	Pig Iron	Ferro- alloys	Steel		
			Ingots	Castings	Total steel
			net tons of 2,000 pounds		
<u>1967</u>					
January .....	462,599	14,138	670,218	16,341	686,559
February .....	530,104	13,712	750,969	14,433	765,402
March .....	612,324	17,408	879,153	15,655	894,808
April .....	604,341	14,224	853,515	14,023	867,538
May .....	616,549	16,663	890,664	13,514	904,178
June .....	551,360	12,062	779,975	11,698	791,673
July .....	614,289	10,966	781,142	6,912	788,054
August .....	630,009	12,155	819,643	8,377	828,020
September .....	567,556	12,941	747,195	8,939	756,134
October .....	621,974	14,627	835,779	10,580	846,359
November .....	574,201	15,325	777,980	11,600	789,580
December .....	555,068	13,771	764,941	11,125	776,066
Totals .....	6,940,374	167,992	9,551,174	143,197	9,694,371
<u>1968</u>					
January .....	617,812	13,709	867,962	14,682	882,644
February .....	674,574	15,387	857,665	12,112	869,777
March .....	774,150	14,104	986,974	12,265	999,239
April .....	739,159	15,121	934,155	11,644	945,799
May .....	747,595	13,226	978,893	12,638	991,531
June .....	708,104	11,982	933,233	10,821	949,054
July .....	734,172	11,853	898,414	7,067	905,481
August .....	673,508	12,087	884,324	9,255	893,579
September .....	627,730	14,973	854,343	11,159	865,502
October .....	713,551	16,061	973,748	12,299	986,047
November .....	682,489	13,467	989,030	16,698	1,005,728
December .....	689,757	14,942	944,866	11,749	956,615
Totals .....	8,382,601	166,912	11,108,607	142,389	11,250,996



TABLE 11. Production and Shipments of Steel Pipe Tubing, and Fittings

December

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	18,057	15,907	21,035	18,550
Over 4 1/2" outside diameter (excluding tubing and casing) .....	47,396	54,488	35,779	27,877
Mechanical and pressure tubing, casing and oil well tubing .....	16,965	16,181	19,131	17,923
Totals .....	82,418	86,576	75,945	64,350
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	114	97	77	78
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	454	404	488	516
Totals .....	568	501	565	594

(1) Included with "Other."

TABLE 12. Production and Shipments of Steel Pipe Tubing, and Fittings

Twelve Months ended December

	1967		1968	
	Made	Shipped	Made	Shipped
	net tons of 2,000 pounds			
<u>Pipe and tubing, welded and seamless</u>				
4 1/2" outside diameter and under (excluding tubing and casing) .....	263,988	254,109	285,463	267,736
Over 4 1/2" outside diameter (excluding tubing and casing) .....	368,019	348,591	557,117	528,884
Mechanical and pressure tubing, casing and oil well tubing .....	176,747	178,000	223,194	215,825
Totals .....	808,754	780,700	1,065,774	1,012,445
<u>Steel pipe fittings</u>				
Buttwelding fittings .....	x	1,415	1,512	1,842
Nipples .....	(1)	(1)	(1)	(1)
Other, including flanges and flanged fittings ...	6,077	6,262	5,932	6,636
Totals .....	x	7,677	7,444	8,478

(1) Included with "Other."

x Confidential to meet secrecy requirements of the Statistics Act.

TABLE 13. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
December 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	43,067	8,062	67,618	46,252	21,366
For forging and piercing .....	20,561	-	23,588	...	23,588
Rails .....	17,818	-	10,977	...	10,977
Wire rods .....	44,461	-	48,177 (2)	...	48,177 (2)
Structural shapes:					
Heavy, including piling .....	37,189	-	39,619	...	39,619
Bar-sized shapes .....	16,037	-	11,189	...	11,189
Concrete reinforcing bars .....	39,491	123	37,833	...	37,833
Other hot rolled bars:					
Flats .....	5,831	-	10,716 )	1,878	42,108
Other .....	39,215	-	33,270 )		
Tie plates and track material:					
Angle bars .....	9	-	45	...	45
Tie plates .....	-	-	26	...	26
Track spikes .....	425	-	415	...	415
Plates (including plates for pipes and tubes) .....	90,564	-	85,634	...	85,634
Hot rolled sheets .....	108,478	-	106,704	1,618	105,086
Hot rolled strip .....	24,858	-	20,588	...	20,588
Total hot rolled products ...	488,004	8,185	496,399 (2)	49,748	446,651 (2)
<u>Cold rolled and coated</u>					
Cold finished bars .....	5,486	-	4,905	...	4,905
Cold reduced sheets and strip, tin mill black plate and tin plate .....	136,251	-	114,804	2,713	112,091
Galvanized sheets .....	39,477	-	35,552	...	35,552
Total cold rolled and coated ..	181,214	-	155,261	2,713	152,548
Total carbon steel .....	669,218	8,185	651,660 (2)	52,461	599,199 (2)
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	-	-	-	-	-
For forging and piercing .....	8,723	-	8,723	...	8,723
Alloy plates .....	1,546	-	1,546	...	1,546
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	18,916	-	18,770	60	18,710
Cold finished bars .....	512	-	478	...	478
Wire rods .....	496	-	496	...	496
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	4,883	2,345	8,527	...	8,527
Total alloy steel .....	35,076	2,345	38,540	60	38,480

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

(2) Includes revisions to date.

... Figures not appropriate or not applicable.

TABLE 14. Production and Disposition of Shipments of Ingots and Rolled Steel Products  
Twelve Months ended December 1968

	Production	Imports	Total of all shipments(1)	Shipments for further processing(1)	Net shipments
net tons of 2,000 pounds					
<u>Carbon steel</u>					
<u>Hot rolled</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	595,196	8,062	617,345	401,802	215,543
For forging and piercing .....	249,479	-	247,643	...	247,643
Rails .....	230,470	-	231,178	...	231,178
Wire rods .....	522,922	-	525,573(2)	...	525,573(2)
Structural shapes:					
Heavy, including piling .....	462,846	-	459,285	...	459,285
Bar-sized shapes .....	132,395	-	126,838	...	126,838
Concrete reinforcing bars .....	638,034	932	646,787	...	646,787
Other hot rolled bars:					
Flats .....	76,611	-	115,711 )	34,995	501,690
Other .....	462,064	-	420,974 )		
Tie plates and track material:					
Angle bars .....	3,546	-	3,865	...	3,865
Tie plates .....	33,770	-	41,685	...	41,685
Track spikes .....	9,138	-	9,381	...	9,381
Plates (including plates for pipes and tubes) .....	1,083,671	-	1,069,684	...	1,069,684
Hot rolled sheets .....	1,715,636	-	1,278,349	45,669	1,232,680
Hot rolled strip .....	312,982	-	273,232	213	273,019
Total hot rolled products ...	6,528,760	8,994	6,067,530(2)	482,679	5,584,851(2)
<u>Cold rolled and coated</u>					
Cold finished bars .....	67,893	-	66,750	...	66,750
Cold reduced sheets and strip, tin mill black plate and tin plate .....	1,796,240	35	1,550,025	39,321	1,510,704
Galvanized sheets .....	604,733	-	589,679	...	589,679
Total cold rolled and coated ..	2,468,866	35	2,206,454	39,321	2,167,133
Total carbon steel .....	8,997,626	9,029	8,273,984(2)	522,000	7,751,984(2)
<u>Alloy steel</u>					
Ingots and semi-finished shapes:					
For re-rolling .....	4,224	-	-	-	-
For forging and piercing .....	80,837	-	80,837	...	80,837
Alloy plates .....	17,312	-	17,312	...	17,312
Other hot rolled bars including structurals, high speed steel and other alloy tool steel .....	255,472	-	253,905	1,237	252,668
Cold finished bars .....	5,282	-	5,212	...	5,212
Wire rods .....	3,679	-	3,679	...	3,679
Hot and cold rolled sheets and strip, silicon sheets and strip and stainless steel .....	70,198	26,858	99,666	...	99,666
Total alloy steel .....	437,004	26,858	460,611	1,237	459,374

(1) Total of all shipments and shipments for further processing items have been adjusted to include only shipments for sale, i.e. figures amended to exclude producers' interchange-own.

(2) Includes revisions to date.

... Figures not appropriate or not applicable.

TABLE 15. Disposition of Net Shipments(1) of Rolled Steel Products

SDI No.		December 1968		Twelve months ended December 1968	
		Carbon	Alloy	Carbon	Alloy
		net tons of 2,000 pounds			
4a	Wholesalers and warehouses - Steel service centres .....	75,837	2,300	859,215	25,229
b	Other warehouses .....	8,343	-	84,141	418
6	Automotive and aircraft industries	65,062	11,760	687,718	138,359
7	Agricultural .....	12,679	209	153,348	3,264
8a	Contractors - Building .....	28,695	12	486,154	130
b	Construction - Public and utility ..	2,735	-	60,789	44
c	Structural steel fabricators .....	62,428	1,113	884,029	11,215
9	Containers .....	18,845	26	483,302	286
10	Machinery and tools .....	19,056	2,456	239,756	29,830
11	Wire, wire products and fasteners ..	53,992	2,454	565,791	32,944
12	Natural resources and extractive industries .....	10,828	1,292	151,364	46,894
13	Appliances and utensils .....	13,855	156	173,279	2,420
14	Other metal stamping and pressing ..	28,073	714	359,738	8,662
16	Railway operating .....	11,091	-	255,625	112
17	Railroad cars and locomotives .....	5,611	148	57,946	920
18	Shipbuilding .....	3,756	-	45,074	412
19	Pipes and tubes .....	96,632	7,493	1,064,343 (2)	59,242
20	Miscellaneous .....	9,058	494	79,583	2,309
	Total domestic shipments .....	526,576	30,627	6,691,195 (2)	362,690
5a	Export - For conversion and return .....	-	3,227	-	29,075
5b	Other export (for final sale)				
i	USA .....	37,767	3,277	733,096	51,384
ii	Other countries .....	34,856	1,349	327,693	16,225
	Total domestic and export shipments .....	599,199	38,480	7,751,984 (2)	459,374
	Production, (for sale only) .....	669,218	35,076	8,997,626	437,004
	Imports by producers (including conversion) .....	8,185	2,345	9,029	26,858
	Inventory .....	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request. (2) Includes revisions to date. .. Figures not available.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
December 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	22	154	54	6,133	2,564	10,421	9,118
b	Other warehouses .....	-	49	-	2,068	716	624	289
6	Automotive and aircraft industries .....	1,638	-	3	60	9	-	17,123
7	Agriculture .....	-	-	49	438	593	-	3,759
8a	Contractors - Building ...	2	-	71	503	124	5,523	309
b	Construction - Public and utility .....	-	-	-	153	13	1,906	78
c	Structural steel fabri- cators .....	53	74	196	23,181	5,660	11,596	4,094
9	Containers .....	-	-	-	-	-	-	85
10	Machinery and tools .....	-	-	330	458	134	387	2,334
11	Wire, wire products and fasteners .....	1,148	-	43,321	-	74	33	6,328
12	Natural resources and extractive industries ..	370	463	-	803	75	157	6,824
13	Appliances and utensils ..	-	-	-	-	-	65	74
14	Other metal stamping and pressing .....	134	-	-	431	380	6,110	2,771
16	Railway operating .....	31	9,921	-	411	54	-	412
17	Railroad cars and loco- motives .....	1,417	-	-	1,211	-	-	394
18	Shipbuilding .....	-	-	-	444	6	-	84
19	Pipes and tubes .....	17,174	-	63	-	-	61	-
20	Miscellaneous .....	6,356	-	1,208	28	62	377	602
	Total domestic shipments .....	28,345	10,661	45,295	36,322	10,464	37,260	54,678
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	7,639	316	1,976	3,297	725	292	5,670
ii	Other countries .....	17,693	-	1,402	-	-	281	470
	Total domestic and exports shipments ..	53,677	10,977	48,673	39,619	11,189	37,833	60,818
	Production (for sale only) .....	72,351	17,818	44,957	37,189	16,037	39,491	63,962
	Imports by producers (in- cluding conversion) ....	8,062	-	-	-	-	123	-
	Inventory .....	..	..	..	..	..	..	..

- (1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.  
(2) Includes silicon sheets and strips and stainless steel.



TABLE 16. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
December 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate (2)	Gal- vanized sheets	Total	SDI No.
54	9,922	11,739	355	1,701	17,240	8,660	78,137	4a
-	1,115	2,071	192	-	1,219	-	8,343	b
-	820	36,662	2,261	1,708	14,922	1,616	76,822	6
-	1,399	3,940	155	716	1,546	293	12,888	7
1	525	2,840	267	11	3,999	14,532	28,707	8a
-	109	238	-	-	209	29	2,735	b
3	13,583	2,744	479	25	491	1,362	63,541	c
-	146	160	71	-	18,300	109	18,871	9
-	5,071	3,637	919	691	6,999	552	21,512	10
336	426	2,098	95	134	2,347	106	56,446	11
86	1,905	662	-	31	518	226	12,120	12
-	276	1,414	161	128	10,470	1,423	14,011	13
1	2,006	3,962	386	132	11,226	1,248	28,787	14
1	94	83	12	17	38	17	11,091	16
-	2,232	442	-	2	-	61	5,759	17
-	2,961	126	-	2	-	133	3,756	18
-	42,536	23,131	14,105	19	6,668	368	104,125	19
-	236	-	-	15	660	8	9,552	20
482	85,362	95,949	19,458	5,332	96,852	30,743	557,203	
-	-	-	-	-	3,227	-	3,227	5a
-	1,818	6,228	1,130	28	9,111	2,814	41,044	i
4	-	2,909	-	23	11,428	1,995	36,205	ii
486	87,180	105,086	20,588	5,383	120,618	35,552	637,679	
434	92,110	108,478	24,858	5,998	141,134	39,477	704,294	
-	-	-	-	-	2,345	-	10,530	
..	..	..	..	..	..	..	..	

.. Figures not available.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Twelve Months ended December 1968

SDI No.		Ingots and semi- finished shapes	Rails	Wire rods	Structural shapes		Concrete rein- forcing bars	Other hot rolled bars
					Heavy including piling	Bar- sized shapes		
		net tons of 2,000 pounds						
4a	Wholesalers and ware- houses - Steel service centres .....	144	1,192	310	77,888	29,102	142,806	91,703
b	Other warehouses .....	7	843	-	16,200	4,085	3,476	3,508
6	Automotive and aircraft industries .....	28,210	-	255	1,813	254	156	184,500
7	Agriculture .....	3	-	162	6,711	7,460	27	45,748
8a	Contractors - Building ...	67	105	1,111	8,967	1,475	93,221	3,723
b	Construction - Public and utility .....	-	17	12	6,643	60	38,596	3,949
c	Structural steel fabri- cators .....	776	669	4,549	258,180	58,177	253,371	59,791
9	Containers .....	-	-	-	-	-	-	1,242
10	Machinery and tools .....	659	260	8,309	10,468	3,318	5,667	29,359
11	Wire, wire products and fasteners .....	9,337	-	457,329	110	1,387	1,041	83,838
12	Natural resources and extractive industries ..	4,263	11,443	311	9,966	845	3,359	121,747
13	Appliances and utensils ..	-	13	-	1,153	17	408	762
14	Other metal stamping and pressing .....	2,372	508	1,800	3,244	6,133	91,273	28,949
16	Railway operating .....	61	188,147	-	2,982	528	12	4,452
17	Railroad cars and loco- motives .....	17,285	39	-	6,397	184	-	2,741
18	Shipbuilding .....	-	62	-	6,266	207	-	1,099
19	Pipes and tubes .....	195,660	-	1,006 (3)	-	24	318	50
20	Miscellaneous .....	45,494	26	8,314	573	977	6,504	6,184
	Total domestic shipments .....	304,338	203,324	483,468 (3)	417,561	114,233	640,235	673,345
5a	Export - For conversion and return .....	-	-	-	-	-	-	-
5b	Other export (for final sale)							
i	USA .....	109,278	14,770	38,907	41,361	16,094	4,680	73,877
ii	Other countries .....	130,407	13,084	6,877	363	70	1,872	3,577
	Total domestic and exports shipments ..	544,023	231,178	529,252 (3)	459,285	130,397	646,787	750,799
	Production (for sale only) .....	929,736	230,470	526,601	462,846	135,954	638,034	790,588
	Imports by producers (in- cluding conversion) ....	8,062	-	-	-	-	932	-
	Inventory .....	..	..	..	..	..	..	..

(1) Compiled by principal consuming industries, according to the "Steel Distribution Index", revised January 1964, copies of which are available on request.

(2) Includes silicon sheets and strips and stainless steel.

(3) Includes revisions to date.

TABLE 17. Disposition of Net Shipments(1) of Rolled Steel Products, by Product  
Twelve Months ended December 1968

Tie plates and track material	Plates, including plates for pipes and tubes	Hot rolled sheets	Hot rolled strip	Cold finished bars	Cold reduced sheets and strip, tin mill black- plate and tin plate(2)	Gal- vanized sheets	Total	SDI No.
896	123,352	125,813	3,253	24,873	157,537	105,575	884,444	4a
104	20,618	23,063	2,200	-	10,455	-	84,559	b
-	7,716	373,930	23,685	20,890	163,676	20,992	826,077	6
3	15,461	48,618	1,708	8,238	19,634	2,839	156,612	7
46	7,771	42,112	3,600	170	51,164	272,752	486,284	8a
4	1,909	5,905	6	-	3,187	545	60,833	b
31	177,452	33,996	8,696	722	7,375	31,459	895,244	c
-	1,377	4,620	1,035	26	473,701	1,587	483,588	9
49	61,607	42,790	8,168	9,113	81,443	8,376	269,586	10
1,992	4,034	17,080	487	2,089	17,572	2,439	598,735	11
1,805	20,413	9,532	15	291	6,813	7,455	198,258	12
-	5,227	22,083	979	2,029	122,080	20,948	175,699	13
18	29,620	48,046	6,425	2,413	127,202	20,397	368,400	14
49,322	7,236	2,342	86	27	213	329	255,737	16
3	23,994	6,622	-	20	540	1,041	58,866	17
-	35,293	1,638	-	69	285	567	45,486	18
-	446,391	197,176	210,835	337	64,830	6,958	1,123,585(3)	19
166	1,024	1,880	148	169	8,547	1,886	81,892	20
54,439	990,495	1,007,246	271,326	71,476	1,316,254	506,145	7,053,885(3)	
-	-	-	-	-	29,075	-	29,075	5a
-	-	-	-	-	-	-	-	5b
421	96,190	176,459	1,693	361	154,222	56,167	784,480	i
71	311	48,975	-	125	110,819	27,367	343,918	ii
54,931	1,086,996	1,232,680	273,019	71,962	1,610,370	589,679	8,211,358(3)	
46,454	1,100,983	1,715,636	312,982	73,175	1,866,438	604,733	9,434,630	
-	-	-	-	-	26,893	-	35,887	
..	..	..	..	..	..	..	..	

.. Figures not available.

List of Reporting Firms

Name	Plant location
<u>Pig Iron</u>	
Algoma Steel Corporation Ltd., The .....	Sault Ste. Marie, Ont.
Canadian Furnace Division of the Algoma Steel Corp'n. Ltd. ....	Port Colborne, Ont.
Cominco Ltd. ....	Kimberley, B.C.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Quebec Iron & Titanium Corporation .....	Sorel, Que.
Steel Co. of Canada Ltd., The .....	Hamilton, Ont.
Sydney Steel Corporation .....	Sydney, N.S.
<u>Steel Ingots and Steel Castings</u>	
A-1 Steel and Iron Foundry Ltd. ....	Vancouver, B.C.
Abex Industries of Canada Ltd., Amsco Joliette Division .....	Joliette, Que. Selkirk, Man.
Algoma Steel Corporation Ltd., The .....	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Tracy, Que. Welland, Ont.
Black-Clawson-Kennedy Ltd. ....	Owen Sound, Ont.
Burlington Steel Co., Division of Slater Steel Industries Ltd. ....	Hamilton, Ont.
C.A.E. Machinery Ltd. ....	Vancouver, B.C.
Canadian Steel Foundries Division of Hawker Siddeley Canada Ltd. ....	Montreal, Que.
Canadian Steel Wheel Ltd. ....	Hochelaga, Montreal, Que.
Canadian Unitcast-Steel Ltd. ....	Sherbrooke, Que.
Cominco Ltd. ....	Kimberley, B.C. Tadanac, B.C.
Crucible Steel of Canada Ltd. ....	Sorel, Que.
Dominion Engineering Works Ltd. ....	Montreal, Que.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited .....	Montreal, Que.
Enamel & Heating Products Ltd. ....	Amherst, N.S.
Esco Limited .....	Port Coquitlam, B.C.
Fahralloy Canada Ltd. ....	Orillia, Ont.
Fahralloy - Wisconsin Ltd. ....	Orillia, Ont.
Foothills Steel Foundry, Division of Irving Industries Ltd. ....	Calgary, Alta.
Griffin Steel Foundries Ltd. ....	St. Hyacinthe, Que. Transcona, Man.
Indiana Steel Products Co. of Canada Ltd. The .....	Kitchener, Ont.
Interprovincial Steel & Pipe Corporation Ltd. ....	Regina, Sask.
Lake Ontario Steel Co. Ltd. ....	Whitby, Ont.
Lynn MacLeod Metallurgy Ltd. ....	Thetford Mines, Que.
Manganese Steel Castings Ltd. ....	Sherbrooke, Que.
Manitoba Rolling Mill Co. Ltd. ....	Winnipeg, Man.
Maritime Steel Foundries Ltd. ....	New Glasgow, N.S.
Neelon Steel Ltd. ....	Sudbury, Ont.
Newfoundland Steel Co. Ltd. ....	St. John's Nfld.
Quality Steel Foundries Ltd. ....	Edmonton, Alta.
Reliance Foundry Co. Ltd. ....	North Surrey, B.C.
Sorel Steel Foundries Ltd. ....	Sorel, Que.



List of Reporting Firms - Continued

Name	Plant location
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Steel Ingots and Steel Castings - Concluded

Steel Co. of Canada Ltd., The .....	Hamilton, Ont. Edmonton, Alta.
Sydney Steel Corporation .....	Sydney, N.S.
Victoria Machinery Depot Co. Ltd. ....	Victoria, B.C.
Welmet Industries Ltd. ....	Welland, Ont.
Western Canada Steel Ltd. ....	Calgary, Alta. Vancouver, B.C.

Ferro Alloys

Canadian Carborundum Co. Ltd. ....	Niagara Falls, Ont.
Chromium Mining & Smelting Corp. Ltd. ....	Montreal, Que.
Exolon Company, The .....	Thorold, Ont.
Lionite Abrasive Ltd. ....	Niagara Falls, Ont.
Norton Company .....	Chippawa, Ont.
Simonds Canada Abrasives Co. ....	Arvida, Que.
Union Carbide Canada Ltd. (Metals & Carbon Div.) .....	Beauharnois, Que. Welland, Ont.

Steel Pipe, Tubing and Fittings

Barton Tubes Limited .....	Burlington, Ont. Bramalea, Ont.
Bundy Tubing Co. of Canada Ltd. ....	Camrose, Alta.
Camrose Tubes Ltd. ....	Toronto, Ont.
Canadian Acme Screw & Gear Co. ....	Simcoe, Ont.
Canadian Coupling & Fittings Ltd. ....	
Canadian Phoenix Steel & Pipe Ltd. ....	Calgary, Alta. Edmonton, Alta Port Moody, B.C.
Canadian Phoenix Steel & Pipe (Toronto) Ltd. ....	Toronto, Ont.
Crane Canada Ltd. ....	Montreal, Que. Hamilton, Ont.
Dosco Steel Limited (Montreal Works) .....	Montreal, Que.
Interprovincial Steel & Pipe Corp. Ltd. Pipe Div. ....	Regina, Sask.
Ladish Co. of Canada Ltd. ....	Brantford, Ont.
Mannesmann Tube Co. Ltd. ....	Sault Ste. Marie, Ont.
Page-Hersey Tubes Western Ltd. (Steel Co. of Canada Ltd.) .....	Camrose, Alta.
Prudential Steel Ltd. ....	Calgary, Alta.
Sonco Steel Products Ltd. ....	Brampton, Ont.
Standard Tube & T.I. Ltd. ....	Montreal, Que. Woodstock, Ont. Winnipeg, Man.
Stanton Pipes Ltd. ....	Hamilton, Ont.



Name	Plant location
<u>Steel Pipe, Tubing and Fittings - Concluded</u>	
Steel Co. of Canada Ltd., The .....	Contrecoeur, Que. Montreal, Que.
(Page-Hersey Works) .....	Hamilton, Ont. Welland, Ont.
Tubular Steel Products Ltd. ....	Scarborough, Ont.
Tube Turns of Canada Ltd. ....	Ridgetown, Ont.
Welland Tubes Ltd. ....	Welland, Ont.
<u>Ingots and Rolled Steel Products</u>	
Algoma Steel Corporation Ltd. The .....	Sault Ste. Marie, Ont.
Atlas Steels Co., Division of Rio Algom Mines Ltd. ....	Tracy, Que. Welland, Ont.
Burlington Steel Co., Division of Slater Industries Ltd. ....	Hamilton, Ont.
Canadian Steel Wheel .....	Hochelaga, Montreal, Que.
Cominco Ltd. ....	Kimberley, B.C.
Dominion Foundries & Steel Ltd. ....	Hamilton, Ont.
Dosco Steel Limited .....	Contrecoeur, Que. Montreal, Que. Etobicoke, Ont.
Enamel & Heating Products Ltd. ....	Amherst, N.S.
Interprovincial Steel & Pipe Corp. Ltd. (Steel Division) .....	Regina, Sask.
Lake Ontario Steel Co. Ltd. ....	Whitby, Ont.
Manitoba Rolling Mill Co. Ltd. ....	Winnipeg, Man.
Newfoundland Steel Co. Ltd. ....	St. John's Nfld.
Stanley Steel Co. Ltd. ....	Hamilton, Ont.
Steel Co. of Canada Ltd., The .....	Hamilton, Ont. Edmonton, Alta.
Sydney Steel Corporation .....	Sydney, N.S.
Union Drawn Steel Co. Ltd. ....	Hamilton, Ont.
Vic Metal Corporation .....	Victoriaville, Que.
Western Canada Steel Ltd. ....	Calgary, Alta. Vancouver, B.C.











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